

# Converting Colors

XYZ(78.1208, 82.2263,  
122.2759)

Have a look what the booklet for  
XYZ(78.1208, 82.2263, 122.2759)  
contains.

<b>XYZ(75.1968, 81.2080, 106.3191)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(75.1968, 81.2080,  
106.3191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4ECFF
RGB	212, 236, 255
RGB Percent	83%, 93%, 100%
CMY	0.1686, 0.0745, 0.0000
CMYK	0.17, 0.07, 0.00, 0.00
HSL	207°, 100%, 92%
HSV	207°, 17%, 100%
XYZ	75.1968, 81.2080, 106.3191
YIQ	230.9900, -20.4030, 0.8210

# Conversions

## Conversions Part 2

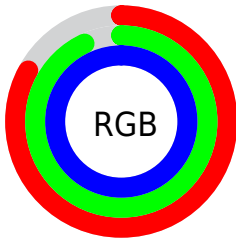
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 227, 255
Decimal	13954303
CIE Lab	92.22, -4.04, -11.82
CIE LCh	92, 12.496, 251.129
Yxy	81.2080, 0.2862, 0.3091
Android (android.graphics.Color)	4292144383 (0xFFD4ECFF)
YUV	230.9900, 11.8369, -16.6542
Hunter-Lab	90.1155, -8.7529, -6.8701

# Details

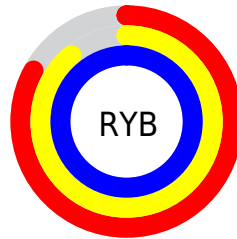
The XYZ color **75.1968, 81.2080, 106.3191** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.6991, 83.1638, 74.0351**, and the grayscale version is **75.8757, 79.8271, 86.9317**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4189, 43.8878, 59.7670** is the 20% darker color. If you saturate the color by 10%, you get **65.2770, 71.4321, 104.9551**, and if you desaturate by 10%, it is **86.4865, 91.9980, 107.8068**.

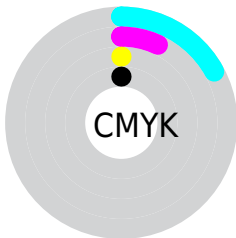
# Distribution



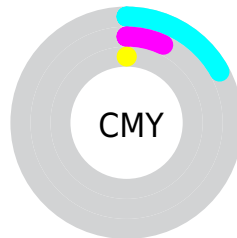
- Red (83%)
- Green (93%)
- Blue (100%)



- Red (83%)
- Yellow (89%)
- Blue (100%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1968, 81.2080, 106.3191 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.1968, 81.2080, 106.3191 by changing the saturation by 10% instead.



■ 75.1968, 81.2080,  
106.3191

■ 75.1968, 81.2080,  
106.3191

467.5805,  
498.9946, 601.6867

■ 56.0689, 60.7129,  
80.9421

125.5773,  
135.0628, 171.9417

■ 40.4954, 43.9935,  
59.9632

157.5606,  
169.1913, 213.0243

■ 28.1109, 30.6654,  
42.9639

194.5598,  
208.6331, 260.1792

■ 18.5502, 20.3442,  
29.5256

236.9401,  
253.7725, 313.8249

■ 11.4478, 12.6455,  
19.2298

285.0670,  
304.9939, 374.3799

■ 6.4384, 7.1849,  
11.6579

339.3058,

■ 3.1566, 3.5780,

362.6819, 442.2629

6.3915

400.0218,  
427.2206, 517.8923

■ 1.2371, 1.4404,  
3.0120

■ 0.1354, 0.2462,  
1.1007

■ 75.1968, 81.2080,  
106.3191

■ 75.1968, 81.2080,  
106.3191

■ 65.2770, 71.4321,  
104.9551

■ 86.4865, 91.9980,  
107.8068

■ 56.6623, 62.6252,  
103.7092

95.0500, 100.0000,  
108.9000

■ 49.2926, 54.7524,  
102.5780

■ 43.0995, 47.7728,  
101.5572

■ 38.0080, 41.6416,  
100.6421

■ 33.9332, 36.3086,  
99.8275

■ 30.7758, 31.7164,  
99.1076

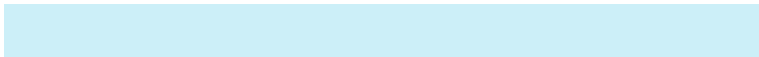
■ 28.4113, 27.7940,  
98.4751

■ 27.7751, 26.6703,  
98.2917

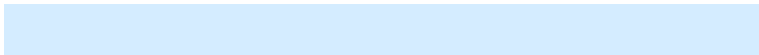
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6072, 81.2080, 100.6286



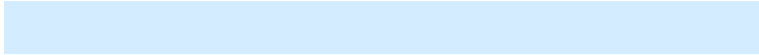
75.1968, 81.2080, 106.3191



78.3892, 81.2080, 107.0227

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1968, 81.2080, 106.3191



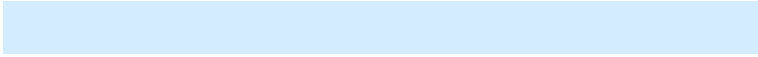
83.4334, 81.2080, 85.0371



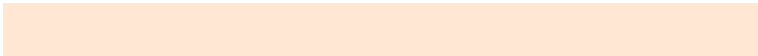
73.1773, 81.2080, 75.7044

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



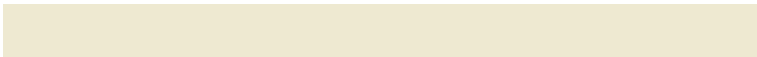
75.1968, 81.2080, 106.3191



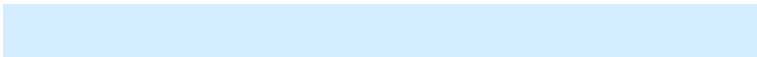
81.6991, 83.1638, 74.0351

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.9947, 81.2080, 72.1114



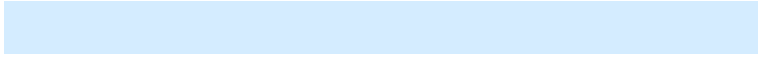
75.1968, 81.2080, 106.3191



81.9529, 81.2080, 77.2442

# Square

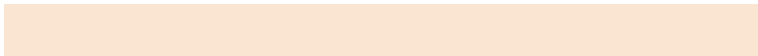
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1968, 81.2080, 106.3191



83.2053, 81.2080, 94.2930



79.2095, 81.2080, 72.6547

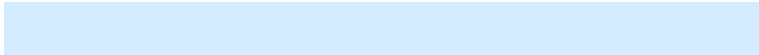


71.4638, 81.2080, 82.7994



# Rectangle

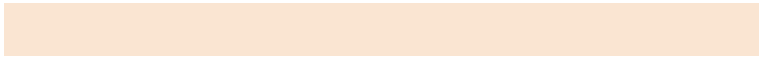
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1968, 81.2080, 106.3191



80.4370, 81.2080, 104.5168



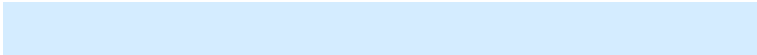
79.2095, 81.2080, 72.6547



74.0233, 81.2080, 74.0701

# Sweetspot

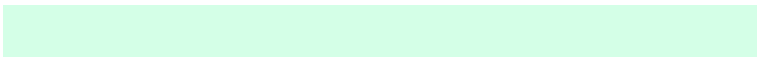
The Sweet Spot groups the original color and five complimentary colors.



75.1990, 81.2113, 106.3197



88.7432, 94.1203, 108.0975



77.2843, 91.2663, 88.8739



18.8111, 19.9733, 23.1137



0.0000, 0.0000, 0.0000

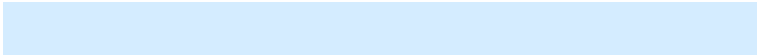


20.3446, 21.4041, 23.3091

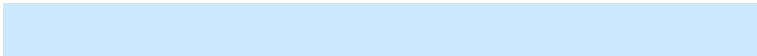


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1990, 81.2113, 106.3197



71.9409, 78.0355, 105.8784



69.4691, 69.7515, 104.4097



17.8441, 19.0598, 22.9884



14.6645, 14.2385, 51.4100



1.5368, 1.6043, 5.0419



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



79.9251, 74.4046, 89.5098



77.4652, 70.2987, 86.1806



87.9763, 95.7183, 76.1275



18.4340, 18.1569, 20.9024



24.1901, 12.1654, 14.9177

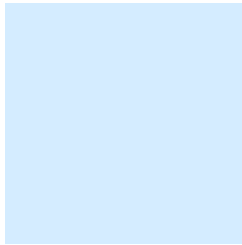


2.4103, 1.2065, 1.7421



# Previews

## White Background



This preview shows how the XYZ color 75.1968, 81.2080, 106.3191 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

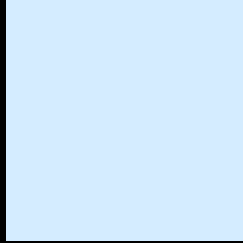
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1968, 81.2080, 106.3191 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

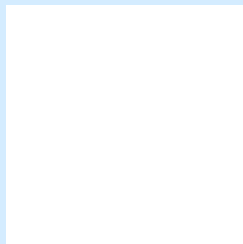
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.1968, 81.2080, 106.3191

## Background



This preview shows how black text looks on a background with the XYZ color 75.1968, 81.2080, 106.3191.



This preview shows how white text looks on a background with the XYZ color 75.1968, 81.2080,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.1968, 81.2080, 106.3191

### Protanopia

79.1016, 81.1690, 103.5935

### Deuteranopia

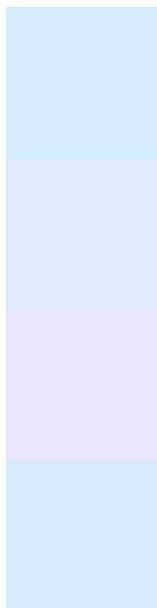
82.4812, 81.2129, 105.9362



## **Tritanopia**

75.1968, 81.2080, 106.3191

# Trichromacy



## Original Color

75.1968, 81.2080, 106.3191

## Protanomaly

77.6090, 81.2170, 104.5145

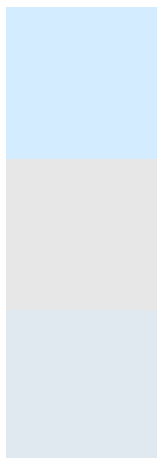
## Deuteranomaly

79.6255, 80.9694, 106.0397

## Tritanomaly

75.1968, 81.2080, 106.3191

# Monochromacy



## Original Color

75.1968, 81.2080, 106.3191

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.6076, 80.4164, 93.9750

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1968, 81.2080, 106.3191 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(212, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 236, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(212, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 236, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1968, 81.2080, 106.3191 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 236, 255) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(212, 236, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(212, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 236,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1968, 81.2080, 106.3191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 236, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(212,  
236, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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