

# Converting Colors

XYZ(75.8220, 79.2606,  
105.9103)

Have a look what the booklet for  
XYZ(75.8220, 79.2606, 105.9103)  
contains.

<b>XYZ(75.8393, 79.4319, 105.9425)</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(75.8393, 79.4319,  
105.9425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBE7FF
RGB	219, 231, 255
RGB Percent	86%, 91%, 100%
CMY	0.1412, 0.0941, 0.0000
CMYK	0.14, 0.09, 0.00, 0.00
HSL	220°, 100%, 93%
HSV	220°, 14%, 100%
XYZ	75.8393, 79.4319, 105.9425
YIQ	230.1480, -14.8560, 4.9200

# Conversions

## Conversions Part 2

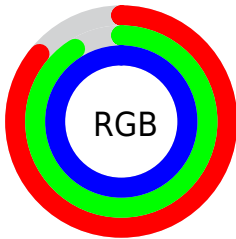
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 228, 255
Decimal	14411775
CIE Lab	91.43, 0.70, -12.96
CIE LCh	91, 12.979, 273.080
Yxy	79.4319, 0.2903, 0.3041
Android (android.graphics.Color)	4292601855 (0xFFDBE7FF)
YUV	230.1480, 12.2520, -9.7768
Hunter-Lab	89.1246, -4.0760, -8.0909

# Details

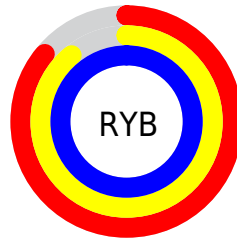
The XYZ color **75.8393, 79.4319, 105.9425** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0762, 90.4740, 79.9459**, and the grayscale version is **75.2452, 79.1638, 86.2094**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0282, 43.0204, 59.5674** is the 20% darker color. If you saturate the color by 10%, you get **64.2191, 66.7206, 104.1014**, and if you desaturate by 10%, it is **89.1009, 93.6794, 107.9936**.

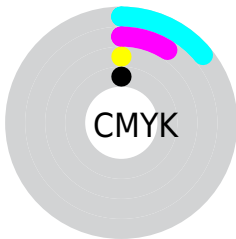
# Distribution



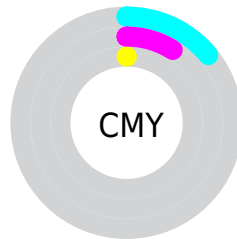
- Red (86%)
- Green (91%)
- Blue (100%)



- Red (86%)
- Yellow (89%)
- Blue (100%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8393, 79.4319, 105.9425 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 75.8393, 79.4319, 105.9425 by changing the saturation by 10% instead.



■ 75.8393, 79.4319,  
105.9425

■ 75.8393, 79.4319,  
105.9425

469.7503,  
493.0162, 600.4901

■ 56.5973, 59.2510,  
80.6281

126.4813,  
132.5667, 171.4227

■ 40.9209, 42.8152,  
59.7062

158.6120,  
166.2894, 212.4256

■ 28.4447, 29.7401,  
42.7581

195.7697,  
205.2948, 259.4951

■ 18.8033, 19.6414,  
29.3654

238.3198,  
249.9673, 313.0497

■ 11.6314, 12.1347,  
19.1094

286.6275,  
300.6913, 373.5079

■ 6.5636, 6.8355,  
11.5718

341.0582,

■ 3.2346, 3.3594,

357.8512, 441.2884

6.3338

401.9774,  
421.8314, 516.8096

■ 1.2790, 1.3221,  
2.9771

■ 0.1674, 0.1582,  
1.0829

■ 75.8393, 79.4319,  
105.9425

■ 75.8393, 79.4319,  
105.9425

■ 64.2191, 66.7206,  
104.1014

■ 89.1009, 93.6794,  
107.9936

■ 54.1675, 55.4822,  
102.4620

95.0500, 100.0000,  
108.9000

■ 45.6155, 45.6630,  
101.0174

■ 38.4863, 37.2019,  
99.7600

■ 32.6957, 30.0331,  
98.6815

■ 28.1499, 24.0843,  
97.7728

■ 24.7414, 19.2747,  
97.0241

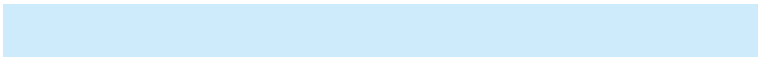
■ 22.3416, 15.5106,  
96.4241

■ 21.3005, 13.7211,  
96.1335

# Harmonies

## Analogous

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



72.6598, 79.4319, 103.7328



75.8393, 79.4319, 105.9425



79.0159, 79.4319, 102.6337

# Triad

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



75.8393, 79.4319, 105.9425



80.9428, 79.4319, 76.9390



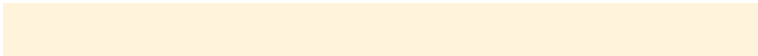
69.9775, 79.4319, 78.5150

# Complementary

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



75.8393, 79.4319, 105.9425



86.0762, 90.4740, 79.9459

# Split Complementary

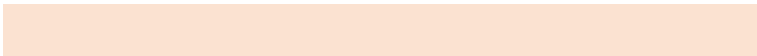
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.0854, 79.4319, 72.1308



75.8393, 79.4319, 105.9425



78.4084, 79.4319, 71.2686

# Square

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



75.8393, 79.4319, 105.9425



82.0158, 79.4319, 85.5145



75.1570, 79.4319, 69.5738



69.3343, 79.4319, 87.4685



# Rectangle

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



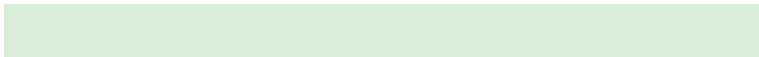
75.8393, 79.4319, 105.9425



80.6875, 79.4319, 97.8752



75.1570, 79.4319, 69.5738



70.5352, 79.4319, 76.0199

# Sweetspot

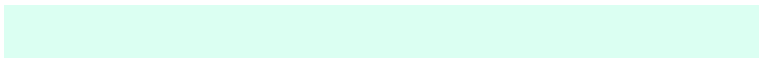
The Sweet Spot groups the original color and five complimentary colors.



75.8414, 79.4351, 105.9430



89.2657, 93.8550, 108.0188



81.0614, 93.0153, 98.0017



18.8802, 19.8475, 23.0858



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.



75.8414, 79.4351, 105.9430



72.3253, 75.6146, 105.3909



74.2473, 73.7958, 104.9385



17.4978, 18.3672, 22.8729



11.2519, 7.4134, 50.2725



1.1912, 0.9131, 4.9267



# Inverse Universe

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



80.9966, 77.6940, 86.3325



78.4379, 73.6689, 82.1120



87.8277, 96.8848, 81.0910



18.2592, 18.0870, 19.9819



22.4677, 11.4764, 5.8471

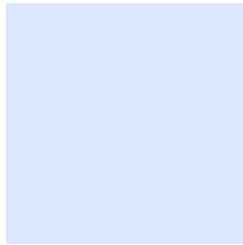


2.2359, 1.1367, 0.8236



# Previews

## White Background



This preview shows how the XYZ color 75.8393, 79.4319, 105.9425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

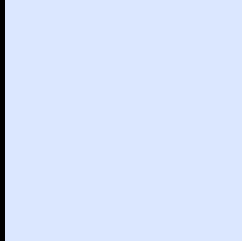
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8393, 79.4319, 105.9425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

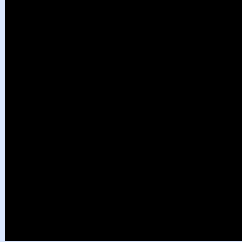
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.8393, 79.4319, 105.9425

## Background



This preview shows how black text looks on a background with the XYZ color 75.8393, 79.4319, 105.9425.



This preview shows how white text looks on a background with the XYZ color 75.8393, 79.4319,



# 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

75.8393, 79.4319, 105.9425

### Protanopia

77.4275, 79.4614, 104.1852

### Deuteranopia

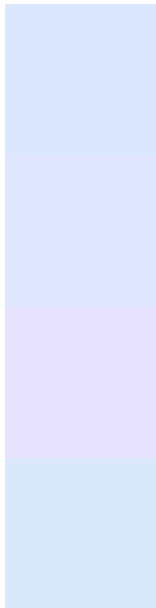
80.6408, 79.0566, 105.6170



## **Tritanopia**

75.0254, 79.5208, 101.8373

# Trichromacy



## Original Color

75.8393, 79.4319, 105.9425

## Protanomaly

76.9267, 79.5967, 105.0752

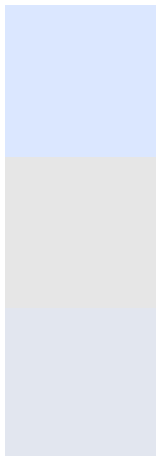
## Deuteranomaly

78.7978, 79.3140, 105.7638

## Tritanomaly

75.3407, 79.6469, 103.4980

# Monochromacy



## Original Color

75.8393, 79.4319, 105.9425

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.2408, 78.9944, 92.9432

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8393, 79.4319, 105.9425 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(219, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 231, 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(219, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 231, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8393, 79.4319, 105.9425 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(219, 231, 255) }
```



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

```
.border{ border-color:rgb(219, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 231,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8393, 79.4319, 105.9425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 231, 255) }
```

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

```
.background{ background-color: rgb(219,  
231, 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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