

# Converting Colors

XYZ(75.6419, 80.8057,  
101.8025)

Have a look what the booklet for  
XYZ(75.6419, 80.8057, 101.8025)  
contains.

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# Color

**XYZ(75.5916, 80.6532,  
102.0260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAEAFA
RGB	218, 234, 250
RGB Percent	85%, 92%, 98%
CMY	0.1451, 0.0823, 0.0196
CMYK	0.13, 0.06, 0.00, 0.02
HSL	210°, 76%, 92%
HSV	210°, 13%, 98%
XYZ	75.5916, 80.6532, 102.0260
YIQ	231.0400, -14.6720, 1.5840

# Conversions

## Conversions Part 2

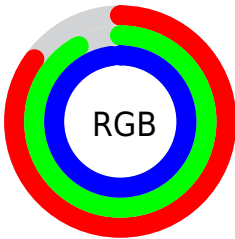
Format	Color
R <sub>YB</sub>	218, 229, 250
Decimal	14347002
CIE <sub>Lab</sub>	91.98, -2.17, -9.54
CIE <sub>LCh</sub>	92, 9.786, 257.194
Yxy	80.6532, 0.2927, 0.3123
Android (android.graphics.Color)	4292537082 (0xFFDAEAFA)
YUV	231.0400, 9.3473, -11.4361
Hunter-Lab	89.8071, -6.9172, -4.4918

# Details

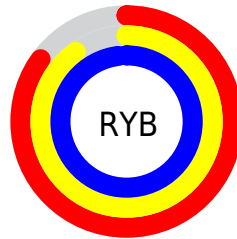
The XYZ color **75.5916, 80.6532, 102.0260** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.5026, 84.2313, 78.2939**, and the grayscale version is **75.9279, 79.8820, 86.9915**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7623, 43.5224, 57.2912** is the 20% darker color. If you saturate the color by 10%, you get **65.2391, 70.2213, 100.5593**, and if you desaturate by 10%, it is **87.3275, 92.1751, 103.6327**.

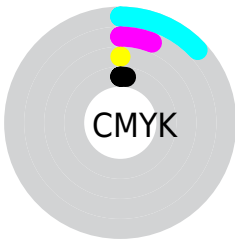
# Distribution



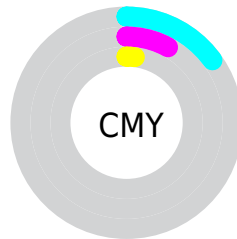
- Red (85%)
- Green (92%)
- Blue (98%)



- Red (85%)
- Yellow (90%)
- Blue (98%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (8%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5916, 80.6532, 102.0260 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 75.5916, 80.6532, 102.0260 by changing the saturation by 10% instead.



■ 75.5916, 80.6532,  
102.0260

■ 75.5916, 80.6532,  
102.0260

468.9144,  
497.1314, 587.9709

■ 56.3936, 60.2560,  
77.3673

126.1329,  
134.2837, 166.0147

■ 40.7568, 43.6250,  
57.0410

158.2068,  
168.2858, 206.1818

■ 28.3159, 30.3758,  
40.6286

195.3035,  
207.5917, 252.3554

■ 18.7056, 20.1240,  
27.7115

237.7882,  
252.5858, 304.9542

■ 11.5605, 12.4852,  
17.8711

286.0262,  
303.6524, 364.3966

■ 6.5152, 7.0750,  
10.6890

340.3831,

■ 3.2044, 3.5091,

361.1759, 431.1011

5.7466

401.2240,  
425.5408, 505.4864

■ 1.2628, 1.4029,  
2.6253

■ 0.1551, 0.2189,  
0.9055

■ 75.5916, 80.6532,  
102.0260

■ 75.5916, 80.6532,  
102.0260

■ 65.2391, 70.2213,  
100.5593

■ 87.3275, 92.1751,  
103.6327

■ 56.2073, 60.8331,  
99.2233

■ 94.2556, 99.6822,  
104.7165

■ 48.4393, 52.4534,  
98.0153

■ 41.8706, 45.0410,  
96.9307

■ 36.4307, 38.5510,  
95.9647

■ 32.0411, 32.9342,  
95.1119

■ 28.6114, 28.1349,  
94.3664

■ 26.0335, 24.0878,  
93.7210

■ 24.5924, 21.5759,  
93.3122

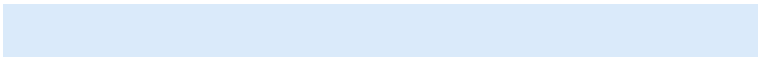
# Harmonies

## Analogous

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



73.4193, 80.6532, 98.3748



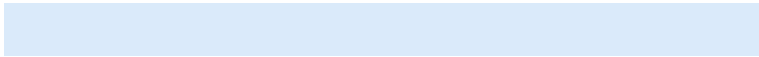
75.5916, 80.6532, 102.0260



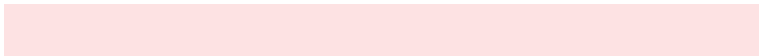
78.0968, 80.6532, 101.7230

# Triad

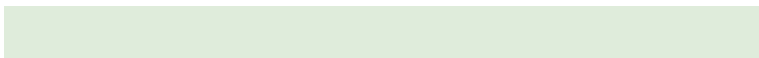
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.5916, 80.6532, 102.0260



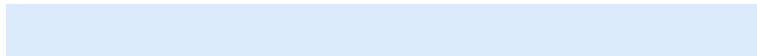
81.3714, 80.6532, 83.7871



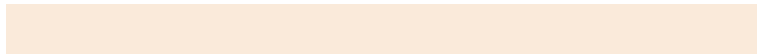
73.1652, 80.6532, 78.7392

# Complementary

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



75.5916, 80.6532, 102.0260



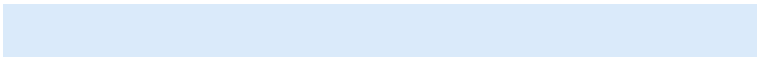
81.5026, 84.2313, 78.2939

# Split Complementary

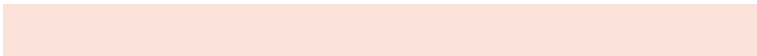
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.2379, 80.6532, 75.2410



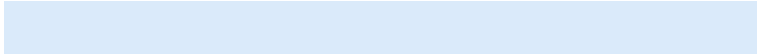
75.5916, 80.6532, 102.0260



79.9915, 80.6532, 78.0442

# Square

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



75.5916, 80.6532, 102.0260



81.4711, 80.6532, 90.9232



77.7353, 80.6532, 74.9937

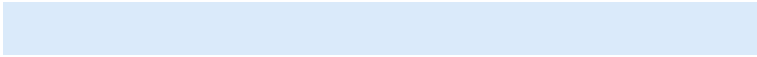


72.0391, 80.6532, 84.7836



# Rectangle

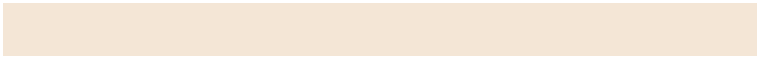
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.5916, 80.6532, 102.0260



79.6189, 80.6532, 99.3179



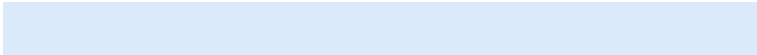
77.7353, 80.6532, 74.9937



73.7723, 80.6532, 77.2412

# Sweetspot

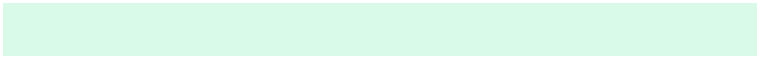
The Sweet Spot groups the original color and five complimentary colors.



75.5940, 80.6566, 102.0278



89.7913, 94.9062, 108.1940



77.8753, 89.1880, 90.5528



19.0131, 20.1133, 23.1301



0.0000, 0.0000, 0.0000

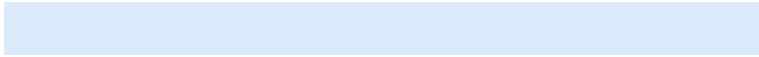


20.3446, 21.4041, 23.3091

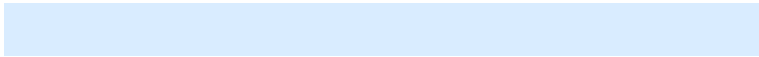


# Same Dimension

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



75.5940, 80.6566, 102.0278



76.5516, 81.8546, 106.3726



71.3802, 72.2291, 100.6232



17.0002, 18.0773, 21.9786



13.1883, 11.7323, 49.5430



1.3275, 1.2986, 4.6239



# Inverse Universe

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



79.3489, 76.4091, 88.4120



81.1112, 76.8060, 89.8146



86.1007, 93.4275, 79.8266



17.6067, 17.3700, 19.7844



22.9489, 11.5953, 11.7052

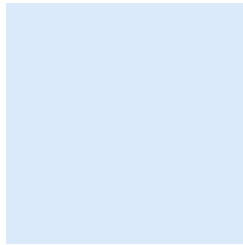


2.1790, 1.0953, 1.3658



# Previews

## White Background



This preview shows how the XYZ color 75.5916, 80.6532, 102.0260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

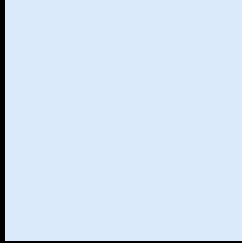
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5916, 80.6532, 102.0260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

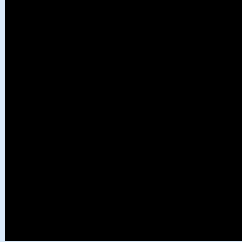
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

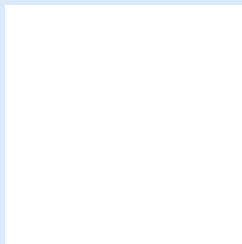
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.5916, 80.6532, 102.0260

## Background



This preview shows how black text looks on a background with the XYZ color 75.5916, 80.6532, 102.0260.



This preview shows how white text looks on a background with the XYZ color 75.5916, 80.6532,



# 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

75.5916, 80.6532, 102.0260

### Protanopia

78.1951, 80.3599, 100.1966

### Deuteranopia

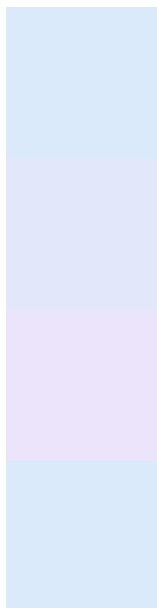
82.1521, 80.2912, 103.2633



## Tritanopia

75.9069, 80.7793, 103.6867

# Trichromacy



## Original Color

75.5916, 80.6532, 102.0260

## Protanomaly

77.0388, 80.1601, 101.0346

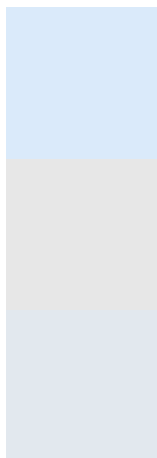
## Deuteranomaly

79.4169, 80.1140, 102.5446

## Tritanomaly

75.7488, 80.7161, 102.8542

# Monochromacy



## Original Color

75.5916, 80.6532, 102.0260

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

75.6533, 80.0550, 92.3537

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5916, 80.6532, 102.0260 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(218, 234, 250)` looks like.

```
.text, #text, p{  
    color:rgb(218, 234, 250)  
}
```

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(218, 234, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 234, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5916, 80.6532, 102.0260 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(218, 234, 250) }
```



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

```
.border{ border-color:rgb(218, 234, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 234, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 234, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 234, 250);  
box-shadow:4px 4px 4px 4px rgb(218, 234,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5916, 80.6532, 102.0260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 234, 250) }
```

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

```
.background{ background-color: rgb(218,  
234, 250) }
```

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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