

Converting Colors

XYZ(21.0767, 20.0107, 65.1072)

Have a look what the booklet for
XYZ(21.0767, 20.0107, 65.1072)
contains.

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Color

**XYZ(21.0810, 20.0094,
65.0385)**

Conversions

Conversions Part 1

Format	Color
Hex	407BD4
RGB	64, 123, 212
RGB Percent	25%, 48%, 83%
CMY	0.7490, 0.5176, 0.1686
CMYK	0.70, 0.42, 0.00, 0.17
HSL	216°, 63%, 54%
HSV	216°, 70%, 83%
XYZ	21.0810, 20.0094, 65.0385
YIQ	115.5050, -63.7330, 15.1710

Conversions

Conversions Part 2

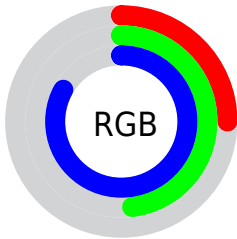
Format	Color
R _Y B	64, 106, 212
Decimal	4226004
CIE Lab	51.85, 10.21, -51.46
CIE LCh	52, 52.460, 281.225
Yxy	20.0094, 0.1986, 0.1885
Android (android.graphics.Color)	4282416084 (0xFF407BD4)
YUV	115.5050, 47.5720, -45.1699
Hunter-Lab	44.7319, 5.8418, -54.8932

Details

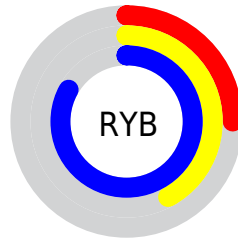
The XYZ color **21.0810, 20.0094, 65.0385** is a dark color, and the websafe version is hex **0066CC**. The color can be described as middle muted azure. A complement of this color would be **39.4700, 37.1528, 9.9428**, and the grayscale version is **16.3239, 17.1740, 18.7025**.

A 20% lighter version of the original color is **42.2821, 42.4691, 100.5766**, and **8.6019, 7.4665, 32.8861** is the 20% darker color. If you saturate the color by 10%, you get **18.4752, 16.4693, 64.4930**, and if you desaturate by 10%, it is **24.4182, 24.2328, 65.6782**.

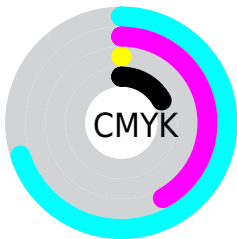
Distribution



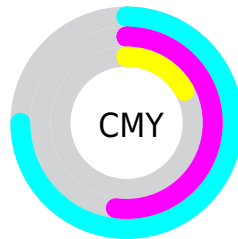
- Red (25%)
- Green (48%)
- Blue (83%)



- Red (25%)
- Yellow (42%)
- Blue (83%)



- Cyan (70%)
- Magenta (42%)
- Yellow (0%)
- Black (17%)



- Cyan (75%)
- Magenta (52%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0810, 20.0094, 65.0385 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 21.0810, 20.0094, 65.0385 by changing the saturation by 10% instead.

■ 21.0810, 20.0094,
65.0385

■ 21.0810, 20.0094,
65.0385

250.4322,
251.9660, 461.2403

■ 13.2960, 12.4019,
47.0408

■ 44.7126, 43.4329,
113.7190

■ 7.7111, 7.0180,
32.7133

■ 61.2899, 60.0178,
145.2389

■ 3.9609, 3.4734,
21.6376

■ 81.5286, 80.3638,
182.1032

■ 1.6800, 1.3836,
13.3951

■ 105.7943,
104.8554, 224.7305

■ 0.4437, 0.2046,
7.5672

■ 134.4521,
133.8771, 273.5393

■ 0.0000, 0.0000,
3.7355

167.8674,

■ 0.0000, 0.0000,

167.8131, 328.9482

1.4814

206.4057,
207.0480, 391.3757

■ 0.0000, 0.0000,
0.2040

■ 0.0000, 0.0000,
0.0000

■ 21.0810, 20.0094,
65.0385

■ 21.0810, 20.0094,
65.0385

■ 18.4752, 16.4693,
64.4930

■ 24.4182, 24.2328,
65.6782

■ 16.5274, 13.5622,
64.0345

■ 28.5449, 29.1798,
66.4156

■ 15.1180, 11.2143,
63.6556

■ 33.5157, 34.8895,
67.2557

■ 15.0936, 11.1731,
63.6489

■ 39.3793, 41.3968,
68.2027

■ 46.1804, 48.7345,
69.2606

■ 53.9605, 56.9333,
70.4330

■ 62.7587, 66.0220,
71.7236

■ 72.6117, 76.0284,
73.1357

■ 83.5545, 86.9786,
74.6726

Harmonies

Analogous

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



15.9108, 20.0094, 62.9893



21.0810, 20.0094, 65.0385



26.5919, 20.0094, 52.1047

Triad

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



21.0810, 20.0094, 65.0385



27.8014, 20.0094, 7.6166



10.8808, 20.0094, 13.6490

Complementary

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



21.0810, 20.0094, 65.0385



39.4700, 37.1528, 9.9428

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.



13.0394, 20.0094, 6.3409



21.0810, 20.0094, 65.0385



22.5062, 20.0094, 4.1507

Square

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



21.0810, 20.0094, 65.0385



30.9272, 20.0094, 16.5647



17.0948, 20.0094, 3.8286



10.6422, 20.0094, 28.0052

Rectangle

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



21.0810, 20.0094, 65.0385



29.4736, 20.0094, 39.1616



17.0948, 20.0094, 3.8286



11.3841, 20.0094, 10.5039

Sweetspot

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



21.0818, 20.0100, 65.0390



68.5917, 72.3663, 104.9607



31.3922, 50.4711, 38.1396



14.0455, 14.8069, 22.3677



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.



21.0818, 20.0100, 65.0390



26.4408, 22.6560, 97.5872



16.9262, 10.0754, 63.3405



12.1448, 12.8130, 15.7706



9.4098, 7.0813, 39.3240



0.6473, 0.5866, 2.3984

Inverse Universe

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



32.5607, 19.0951, 20.7089



45.8038, 24.3432, 22.0854



47.5481, 59.3552, 13.8025



12.6263, 12.5020, 13.9722



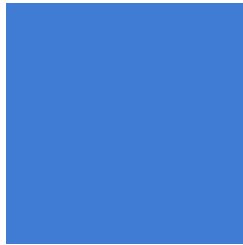
17.8085, 9.0597, 6.2955



1.1144, 0.5625, 0.5917

Previews

White Background



This preview shows how the XYZ color 21.0810, 20.0094, 65.0385 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0810, 20.0094, 65.0385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

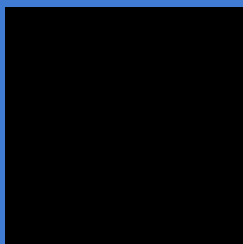
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

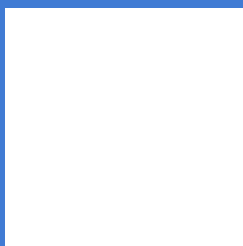
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0810, 20.0094, 65.0385

Background



This preview shows how black text looks on a background with the XYZ color 21.0810, 20.0094, 65.0385.



This preview shows how white text looks on a background with the XYZ color 21.0810, 20.0094,

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

21.0810, 20.0094, 65.0385

Protanopia

21.9714, 19.9677, 63.0177

Deuteranopia

20.6669, 19.9810, 65.0548



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

21.0810, 20.0094, 65.0385

Protanomaly

21.5308, 19.9057, 63.6802

Deuteranomaly

20.8362, 20.0683, 65.0627

Tritanomaly

15.9553, 19.6250, 41.4751

Monochromacy



Original Color

21.0810, 20.0094, 65.0385

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.1125, 17.9694, 31.8447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0810, 20.0094, 65.0385 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(64, 123, 212)` looks like.

```
.text, #text, p{  
    color:rgb(64, 123, 212)  
}
```

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(64, 123, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 123, 212) }
```

Border

The CSS property to change the border of an element to XYZ 21.0810, 20.0094, 65.0385 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(64, 123, 212) }
```


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

```
.border{ border-color:rgb(64, 123, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 123, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 123, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 123, 212);  
box-shadow:4px 4px 4px 4px rgb(64, 123,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0810, 20.0094, 65.0385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 123, 212) }
```

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

```
.background{ background-color: rgb(64, 123,  
212) }
```

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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