

Converting Colors

XYZ(19.5994, 17.5049, 80.4446)

Have a look what the booklet for
XYZ(19.5994, 17.5049, 80.4446)
contains.

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Color

**XYZ(20.9820, 18.2020,
80.2494)**

Conversions

Conversions Part 1

Format	Color
Hex	0073EA
RGB	0, 115, 234
RGB Percent	0%, 45%, 92%
CMY	0.9998, 0.5490, 0.0824
CMYK	1.00, 0.51, 0.00, 0.08
HSL	211°, 100%, 46%
HSV	211°, 100%, 92%
XYZ	20.9820, 18.2020, 80.2494
YIQ	94.1810, -106.7390, 12.6290

Conversions

Conversions Part 2

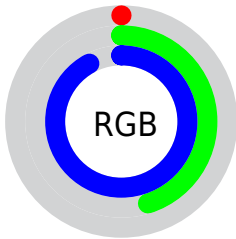
Format	Color
RYB	0, 77, 234
Decimal	29674
CIELab	49.74, 18.82, -67.31
CIELCh	50, 69.895, 285.622
Yxy	18.2020, 0.1757, 0.1524
Android (android.graphics.Color)	4278219754 (0xFF0073EA)
YUV	94.1810, 68.9308, -82.5967
Hunter-Lab	42.6638, 13.1244, -81.6581

Details

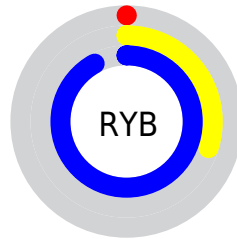
The XYZ color **20.9820, 18.2020, 80.2494** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.5362, 30.7006, 3.7910**, and the grayscale version is **10.5468, 11.0960, 12.0836**.

A 20% lighter version of the original color is **37.7496, 37.6182, 99.8792**, and **10.0029, 7.3086, 42.4785** is the 20% darker color. If you saturate the color by 10%, you get **20.9787, 18.1952, 80.2487**, and if you desaturate by 10%, it is **22.7922, 21.2820, 80.7490**.

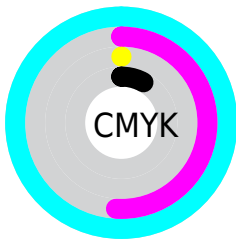
Distribution



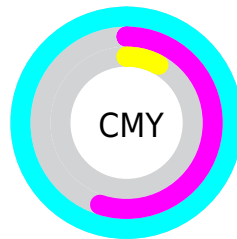
- Red (0%)
- Green (45%)
- Blue (92%)



- Red (0%)
- Yellow (30%)
- Blue (92%)



- Cyan (100%)
- Magenta (51%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (55%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9820, 18.2020, 80.2494 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 20.9820, 18.2020, 80.2494 by changing the saturation by 10% instead.

■ 20.9820, 18.2020,
80.2494

■ 20.9820, 18.2020,
80.2494

249.9163,
242.0072, 515.5018

■ 13.2232, 11.0951,
59.3962

■ 44.5491, 40.3812,
135.5309

■ 7.6605, 6.1308,
42.5101

■ 61.0881, 56.2224,
170.7963

■ 3.9285, 2.9248,
29.1723

■ 81.2846, 75.7437,
211.7028

■ 1.6617, 1.0926,
18.9645

■ 105.5039, 99.3296,
258.6691

■ 0.4321, 0.0000,
11.4681

■ 134.1113,
127.3645, 312.1136

■ 0.0000, 0.0000,
6.2645

167.4723,

■ 0.0000, 0.0000,

160.2328, 372.4548

2.9352

205.9522,
198.3189, 440.1114

■ 0.0000, 0.0000,
1.0616

■ 0.0000, 0.0000,
0.0000

■ 20.9820, 18.2020,
80.2494

■ 20.9820, 18.2020,
80.2494

■ 20.9787, 18.1952,
80.2487

■ 22.7922, 21.2820,
80.7490

■ 25.2218, 24.9508,
81.3291

■ 28.4158, 29.2921,
81.9987

■ 32.4611, 34.3593,
82.7635

■ 37.4314, 40.1983,
83.6286

■ 43.3915, 46.8505,
84.5985

■ 50.4000, 54.3536,
85.6773

■ 58.5107, 62.7424,
86.8691

■ 67.7733, 72.0498,
88.1774

Harmonies

Analogous

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



14.3122, 18.2020, 80.7740



20.9820, 18.2020, 80.2494



28.1586, 18.2020, 58.1104

Triad

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



20.9820, 18.2020, 80.2494



27.8875, 18.2020, 3.4666



7.6264, 18.2020, 12.0375

Complementary

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



20.9820, 18.2020, 80.2494



40.5362, 30.7006, 3.7910

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.



9.6686, 18.2020, 3.6456



20.9820, 18.2020, 80.2494



20.6781, 18.2020, 1.2939

Square

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



20.9820, 18.2020, 80.2494



32.7903, 18.2020, 11.4944



14.0769, 18.2020, 1.3276



7.6682, 18.2020, 31.4225

Rectangle

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



20.9820, 18.2020, 80.2494



31.7771, 18.2020, 39.1308



14.0769, 18.2020, 1.3276



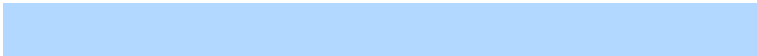
8.0634, 18.2020, 8.2106

Sweetspot

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



20.9829, 18.2025, 80.2499



61.1030, 65.9002, 104.1073



32.6364, 60.1315, 26.7253



12.2740, 13.2525, 22.1610



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.



20.9829, 18.2025, 80.2499



25.4201, 21.9601, 97.5067



14.8528, 5.9422, 78.2065



14.8423, 15.7711, 19.1841



11.9142, 10.4754, 45.1370



1.0316, 1.0147, 3.5764

Inverse Universe

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



37.0271, 18.7316, 17.8838



44.9601, 22.7480, 21.5196



63.3552, 76.3387, 11.3974



15.3740, 15.1774, 17.2545



20.8690, 10.5503, 10.3776



1.6872, 0.8479, 1.0703

Previews

White Background



This preview shows how the XYZ color 20.9820, 18.2020, 80.2494 looks on a white 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

Black Background



This preview shows how the XYZ color 20.9820, 18.2020, 80.2494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

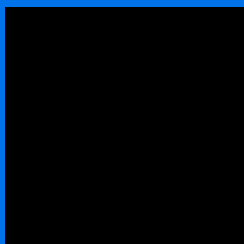
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

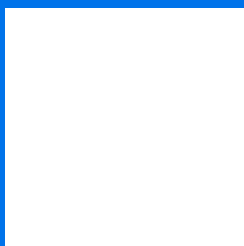
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9820, 18.2020, 80.2494

Background



This preview shows how black text looks on a background with the XYZ color 20.9820, 18.2020, 80.2494.



This preview shows how white text looks on a background with the XYZ color 20.9820, 18.2020,

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

20.9820, 18.2020, 80.2494

Protanopia

21.5376, 18.3531, 78.7513

Deuteranopia

18.2251, 18.0364, 62.8424



Tritanopia

12.7765, 18.0967, 27.2457

Trichromacy



Original Color

20.9820, 18.2020, 80.2494

Protanomaly

21.1773, 18.1508, 79.4781

Deuteranomaly

19.1333, 18.0188, 68.7992

Tritanomaly

14.9736, 17.7232, 42.6761

Monochromacy



Original Color

20.9820, 18.2020, 80.2494

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.7257, 12.5077, 28.5843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9820, 18.2020, 80.2494 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(0, 115, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 234)  
}
```

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(0, 115, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 234) }
```

Border

The CSS property to change the border of an element to XYZ 20.9820, 18.2020, 80.2494 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(0, 115, 234) }
```


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

```
.border{ border-color:rgb(0, 115, 234) }
```

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

Here you see how a box with a 4 pixel rgb(0, 115, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9820, 18.2020, 80.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 234) }
```

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

```
.background{ background-color: rgb(0, 115,  
234) }
```

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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