

Converting Colors

XYZ(13.7269, 15.0709, 75.8994)

Have a look what the booklet for
XYZ(13.7269, 15.0709, 75.8994)
contains.

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Color

**XYZ(20.4820, 18.5583,
75.9014)**

Conversions

Conversions Part 1

Format	Color
Hex	0076E4
RGB	0, 118, 228
RGB Percent	0%, 46%, 89%
CMY	0.9998, 0.5373, 0.1059
CMYK	1.00, 0.48, 0.00, 0.11
HSL	209°, 100%, 45%
HSV	209°, 100%, 89%
XYZ	20.4820, 18.5583, 75.9014
YIQ	95.2580, -105.6380, 9.1940

Conversions

Conversions Part 2

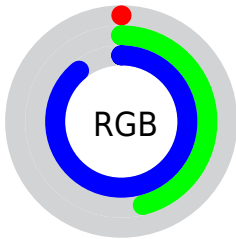
Format	Color
R _{YB}	0, 78, 228
Decimal	30436
CIE Lab	50.17, 14.57, -63.25
CIE LCh	50, 64.910, 282.967
Yxy	18.5583, 0.1782, 0.1615
Android (android.graphics.Color)	4278220516 (0xFF0076E4)
YUV	95.2580, 65.4418, -83.5413
Hunter-Lab	43.0793, 9.4787, -74.3074

Details

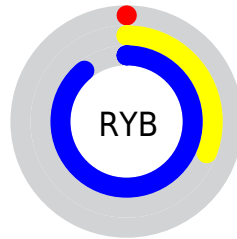
The XYZ color **20.4820, 18.5583, 75.9014** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **37.5775, 27.6583, 3.3597**, and the grayscale version is **10.8095, 11.3724, 12.3846**.

A 20% lighter version of the original color is **38.0637, 38.5992, 100.0520**, and **9.6996, 7.4850, 39.9633** is the 20% darker color. If you saturate the color by 10%, you get **20.4790, 18.5520, 75.9008**, and if you desaturate by 10%, it is **22.2044, 21.4833, 76.3757**.

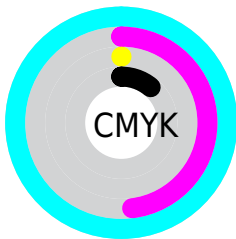
Distribution



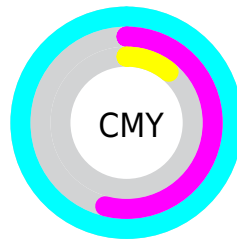
- Red (0%)
- Green (46%)
- Blue (89%)



- Red (0%)
- Yellow (31%)
- Blue (89%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (54%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4820, 18.5583, 75.9014 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 20.4820, 18.5583, 75.9014 by changing the saturation by 10% instead.

■ 20.4820, 18.5583,
75.9014

■ 20.4820, 18.5583,
75.9014

247.2968,
243.9994, 500.3480

■ 12.8562, 11.3516,
55.8455

■ 43.7216, 40.9864,
129.3463

■ 7.4059, 6.3038,
39.6759

■ 60.0662, 56.9765,
163.5724

■ 3.7658, 3.0307,
26.9741

■ 80.0477, 76.6632,
203.3590

■ 1.5705, 1.1478,
17.3215

■ 104.0314,
100.4309, 249.1246

■ 0.3731, 0.0184,
10.2996

■ 132.3829,
128.6640, 301.2878

■ 0.0000, 0.0000,
5.4899

165.4674,

■ 0.0000, 0.0000,

161.7468, 360.2670

2.4737

203.6502,
200.0638, 426.4809

■ 0.0000, 0.0000,
0.8262

■ 0.0000, 0.0000,
0.0000

■ 20.4820, 18.5583,
75.9014

■ 20.4820, 18.5583,
75.9014

■ 20.4790, 18.5520,
75.9008

■ 22.2044, 21.4833,
76.3757

■ 24.4939, 24.9323,
76.9207

■ 27.4876, 28.9829,
77.5448

■ 31.2658, 33.6834,
78.2529

■ 35.8968, 39.0753,
79.0496

■ 41.4408, 45.1957,
79.9388

■ 47.9519, 52.0788,
80.9241

■ 55.4799, 59.7557,
82.0092

■ 64.0708, 68.2559,
83.1971

Harmonies

Analogous

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



14.3413, 18.5583, 74.3813



20.4820, 18.5583, 75.9014



27.1870, 18.5583, 57.4131

Triad

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



20.4820, 18.5583, 75.9014



28.0012, 18.5583, 4.6362



8.4478, 18.5583, 11.6938

Complementary

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



20.4820, 18.5583, 75.9014



37.5775, 27.6583, 3.3597

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.



10.6379, 18.5583, 4.0175



20.4820, 18.5583, 75.9014



21.4073, 18.5583, 1.9156

Square

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



20.4820, 18.5583, 75.9014



32.1711, 18.5583, 13.4131



15.0723, 18.5583, 1.7870



8.3132, 18.5583, 28.9769

Rectangle

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



20.4820, 18.5583, 75.9014



30.6888, 18.5583, 40.2870



15.0723, 18.5583, 1.7870



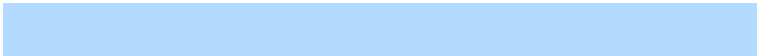
8.9391, 18.5583, 8.2347

Sweetspot

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



20.4829, 18.5588, 75.9019



61.6180, 66.9301, 104.2789



30.3683, 56.5371, 23.0655



12.3957, 13.4959, 22.2016



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.



20.4829, 18.5588, 75.9019



26.2936, 23.7072, 97.7979



14.0875, 5.7680, 73.7701



14.1966, 15.1146, 18.3135



11.9446, 10.9513, 43.8674



0.9756, 0.9951, 3.2726

Inverse Universe

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



35.2658, 17.8033, 18.7173



45.4010, 22.9244, 23.8414



57.6944, 67.8922, 10.0653



14.6868, 14.4919, 16.5512



20.4226, 10.3033, 11.1203



1.5561, 0.7801, 1.0688

Previews

White Background



This preview shows how the XYZ color 20.4820, 18.5583, 75.9014 looks on a white background.

Color Contrast Check

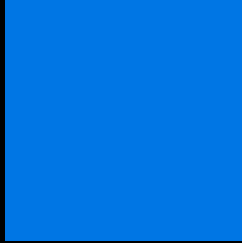
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4820, 18.5583, 75.9014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

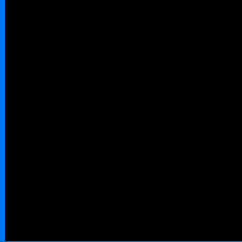
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

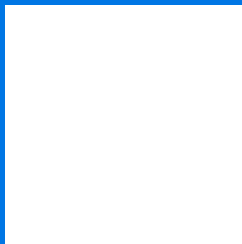
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4820, 18.5583, 75.9014

Background



This preview shows how black text looks on a background with the XYZ color 20.4820, 18.5583, 75.9014.



This preview shows how white text looks on a background with the XYZ color 20.4820, 18.5583,

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

20.4820, 18.5583, 75.9014

Protanopia

21.4663, 18.5973, 73.6924

Deuteranopia

18.7210, 18.4282, 64.8577



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

20.4820, 18.5583, 75.9014

Protanomaly

20.7358, 18.3751, 74.4054

Deuteranomaly

19.3714, 18.4949, 68.8786

Tritanomaly

15.1322, 18.1959, 42.2498

Monochromacy



Original Color

20.4820, 18.5583, 75.9014

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.6717, 12.6443, 27.8120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4820, 18.5583, 75.9014 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, 118, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 228)  
}
```

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, 118, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 228) }
```

Border

The CSS property to change the border of an element to XYZ 20.4820, 18.5583, 75.9014 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, 118, 228) }
```


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

```
.border{ border-color:rgb(0, 118, 228) }
```

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

Here you see how a box with a 4 pixel rgb(0, 118, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4820, 18.5583, 75.9014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 228) }
```

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

```
.background{ background-color: rgb(0, 118,  
228) }
```

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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