

Converting Colors

XYZ(21.5397, 20.0791, 75.8343)

Have a look what the booklet for
XYZ(21.5397, 20.0791, 75.8343)
contains.

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Color

**XYZ(21.5385, 20.0004,
76.1240)**

Conversions

Conversions Part 1

Format	Color
Hex	1B7BE4
RGB	27, 123, 228
RGB Percent	11%, 48%, 89%
CMY	0.8940, 0.5176, 0.1059
CMYK	0.88, 0.46, 0.00, 0.11
HSL	211°, 79%, 50%
HSV	211°, 88%, 89%
XYZ	21.5385, 20.0004, 76.1240
YIQ	106.2660, -90.9210, 12.3030

Conversions

Conversions Part 2

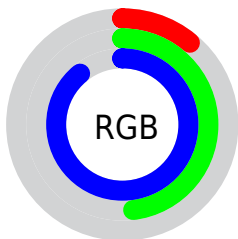
Format	Color
R _Y B	27, 92, 228
Decimal	1801188
CIE Lab	51.84, 12.43, -60.55
CIE LCh	52, 61.809, 281.601
Yxy	20.0004, 0.1831, 0.1700
Android (android.graphics.Color)	4279991268 (0xFF1B7BE4)
YUV	106.2660, 60.0149, -69.5163
Hunter-Lab	44.7218, 7.7043, -69.6162

Details

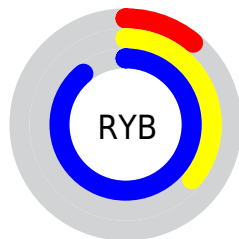
The XYZ color **21.5385, 20.0004, 76.1240** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **40.4479, 33.0826, 5.2922**, and the grayscale version is **13.6333, 14.3432, 15.6198**.

A 20% lighter version of the original color is **39.9355, 41.2595, 100.4668**, and **9.9625, 8.0107, 40.0509** is the 20% darker color. If you saturate the color by 10%, you get **19.7507, 17.0170, 75.6429**, and if you desaturate by 10%, it is **23.9623, 23.5788, 76.6874**.

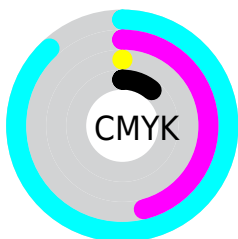
Distribution



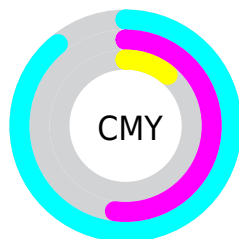
- Red (11%)
- Green (48%)
- Blue (89%)



- Red (11%)
- Yellow (36%)
- Blue (89%)



- Cyan (88%)
- Magenta (46%)
- Yellow (0%)
- Black (11%)



- Cyan (89%)
- Magenta (52%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5385, 20.0004, 76.1240 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 21.5385, 20.0004, 76.1240 by changing the saturation by 10% instead.

■ 21.5385, 20.0004,
76.1240

■ 21.5385, 20.0004,
76.1240

252.8046,
251.9173, 501.1302

■ 13.6329, 12.3953,
56.0269

■ 45.4666, 43.4179,
129.6639

■ 7.9458, 7.0135,
39.8204

■ 62.2198, 59.9990,
163.9437

■ 4.1118, 3.4706,
27.0858

■ 82.6529, 80.3410,
203.7883

■ 1.7656, 1.3821,
17.4047

■ 107.1313,
104.8283, 249.6161

■ 0.4968, 0.2034,
10.3584

■ 136.0203,
133.8451, 301.8456

■ 0.0000, 0.0000,
5.5285

169.6853,

■ 0.0000, 0.0000,

167.7760, 360.8954

2.4965

208.4916,
207.0052, 427.1841

■ 0.0000, 0.0000,
0.8383

■ 0.0000, 0.0000,
0.0000

■ 21.5385, 20.0004,
76.1240

■ 21.5385, 20.0004,
76.1240

■ 19.7507, 17.0170,
75.6429

■ 23.9623, 23.5788,
76.6874

■ 19.4597, 16.5135,
75.5610

■ 27.1295, 27.8163,
77.3384

■ 31.1202, 32.7630,
78.0829

■ 36.0021, 38.4620,
78.9256

■ 41.8355, 44.9523,
79.8709

■ 48.6746, 52.2696,
80.9228

■ 56.5696, 60.4469,
82.0851

■ 65.5670, 69.5155,
83.3613

■ 75.7104, 79.5045,
84.7548

Harmonies

Analogous

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



15.4531, 20.0004, 73.7096



21.5385, 20.0004, 76.1240



28.1894, 20.0004, 59.1400

Triad

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



21.5385, 20.0004, 76.1240



29.5243, 20.0004, 5.9567



9.7120, 20.0004, 12.5965

Complementary

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



21.5385, 20.0004, 76.1240



40.4479, 33.0826, 5.2922

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.



12.0767, 20.0004, 4.8183



21.5385, 20.0004, 76.1240



23.0742, 20.0004, 2.6987

Square

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



21.5385, 20.0004, 76.1240



33.4324, 20.0004, 15.5460



16.6872, 20.0004, 2.4438



9.4775, 20.0004, 29.4837

Rectangle

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



21.5385, 20.0004, 76.1240



31.7080, 20.0004, 42.6699



16.6872, 20.0004, 2.4438



10.2551, 20.0004, 9.1381

Sweetspot

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



21.5394, 20.0010, 76.1245



64.6501, 69.3769, 104.5914



32.2836, 57.3555, 30.7931



13.1277, 14.1030, 22.2802



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.



21.5394, 20.0010, 76.1245



24.9820, 21.0839, 97.3607



14.9426, 6.6682, 73.8987



14.1478, 15.0170, 18.2972



11.3538, 9.7697, 43.6705



0.9315, 0.9070, 3.2579

Inverse Universe

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



35.9628, 18.7092, 20.4550



44.7389, 22.6596, 20.3551



58.8843, 71.5179, 11.7392



14.6622, 14.4821, 16.4214



20.1244, 10.1840, 9.5500



1.5338, 0.7712, 0.9517

Previews

White Background



This preview shows how the XYZ color 21.5385, 20.0004, 76.1240 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 21.5385, 20.0004, 76.1240 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

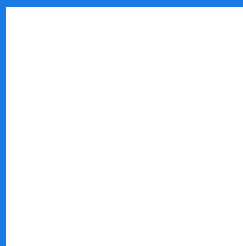
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5385, 20.0004, 76.1240

Background



This preview shows how black text looks on a background with the XYZ color 21.5385, 20.0004, 76.1240.



This preview shows how white text looks on a background with the XYZ color 21.5385, 20.0004,

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

21.5385, 20.0004, 76.1240

Protanopia

22.5772, 19.8776, 73.1678

Deuteranopia

20.3848, 19.8877, 71.1709



Tritanopia

13.9925, 19.6836, 30.2560

Trichromacy



Original Color

21.5385, 20.0004, 76.1240

Protanomaly

21.8284, 19.6535, 73.8772

Deuteranomaly

20.7874, 19.8617, 73.2591

Tritanomaly

16.0779, 19.4317, 43.9776

Monochromacy



Original Color

21.5385, 20.0004, 76.1240

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.3598, 15.3681, 31.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5385, 20.0004, 76.1240 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(27, 123, 228)` looks like.

```
.text, #text, p{  
    color:rgb(27, 123, 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(27, 123, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 123, 228) }
```

Border

The CSS property to change the border of an element to XYZ 21.5385, 20.0004, 76.1240 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(27, 123, 228) }
```


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

```
.border{ border-color:rgb(27, 123, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 123, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 123, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 123, 228);  
box-shadow:4px 4px 4px 4px rgb(27, 123,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5385, 20.0004, 76.1240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 123, 228) }
```

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

```
.background{ background-color: rgb(27, 123,  
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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