

Converting Colors

XYZ(7.8377, 6.1345, 80.4468)

Have a look what the booklet for
XYZ(7.8377, 6.1345, 80.4468)
contains.

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Color

**XYZ(17.7248, 11.2250,
80.5893)**

Conversions

Conversions Part 1

Format	Color
Hex	004CEC
RGB	0, 76, 236
RGB Percent	0%, 30%, 93%
CMY	0.9997, 0.7020, 0.0745
CMYK	1.00, 0.68, 0.00, 0.07
HSL	221°, 100%, 46%
HSV	221°, 100%, 93%
XYZ	17.7248, 11.2250, 80.5893
YIQ	71.5160, -96.6560, 33.6480

Conversions

Conversions Part 2

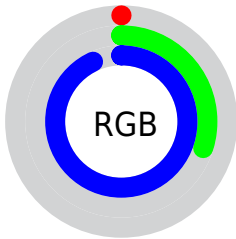
Format	Color
R _Y B	0, 57, 236
Decimal	19692
CIE Lab	39.96, 44.47, -84.44
CIE LCh	40, 95.429, 297.773
Yxy	11.2250, 0.1618, 0.1025
Android (android.graphics.Color)	4278209772 (0xFF004CEC)
YUV	71.5160, 81.0906, -62.7195
Hunter-Lab	33.5037, 35.8020, -119.1625

Details

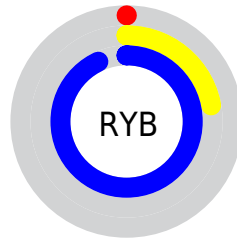
The XYZ color **17.7248, 11.2250, 80.5893** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **47.1758, 42.9995, 5.8153**, and the grayscale version is **5.9586, 6.2689, 6.8269**.

A 20% lighter version of the original color is **31.8140, 25.2022, 97.7955**, and **8.6805, 4.3424, 43.0285** is the 20% darker color. If you saturate the color by 10%, you get **17.7215, 11.2183, 80.5885**, and if you desaturate by 10%, it is **19.3366, 13.9011, 81.0212**.

Distribution



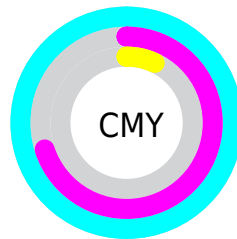
- Red (0%)
- Green (30%)
- Blue (93%)



- Red (0%)
- Yellow (22%)
- Blue (93%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (70%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7248, 11.2250, 80.5893 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 17.7248, 11.2250, 80.5893 by changing the saturation by 10% instead.

■ 17.7248, 11.2250,
80.5893

■ 17.7248, 11.2250,
80.5893

232.3910,
199.2047, 516.6756

■ 10.8511, 6.2184,
59.6744

■ 39.1016, 28.0755,
136.0128

■ 6.0333, 2.9783,
42.7327

■ 54.3354, 40.6881,
171.3585

■ 2.9062, 1.1204,
29.3456

■ 73.0866, 56.6049,
212.3515

■ 1.1044, 0.0000,
19.0946

■ 95.7205, 76.2103,
259.4104

■ 0.0288, 0.0000,
11.5611

■ 122.6026, 99.8885,
312.9537

■ 0.0000, 0.0000,
6.3267

154.0981,

■ 0.0000, 0.0000,

128.0241, 373.4000

2.9728

190.5725,
161.0014, 441.1678

■ 0.0000, 0.0000,
1.0807

■ 0.0000, 0.0000,
0.0000

■ 17.7248, 11.2250,
80.5893

■ 17.7248, 11.2250,
80.5893

■ 17.7215, 11.2183,
80.5885

■ 19.3366, 13.9011,
81.0212

■ 21.6885, 17.3936,
81.5714

■ 24.9386, 21.8093,
82.2524

■ 29.1854, 27.2220,
83.0734

■ 34.5132, 33.6970,
84.0424

■ 40.9968, 41.2932,
85.1668

■ 48.7036, 50.0647,
86.4537

■ 57.6960, 60.0617,
87.9094

■ 68.0316, 71.3316,
89.5400

Harmonies

Analogous

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



10.1845, 11.2250, 96.0836



17.7248, 11.2250, 80.5893



25.3675, 11.2250, 43.5580

Triad

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



17.7248, 11.2250, 80.5893



18.9473, 11.2250, 0.0000



2.3585, 11.2250, 10.8665

Complementary

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



17.7248, 11.2250, 80.5893



47.1758, 42.9995, 5.8153

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.



3.1418, 11.2250, 1.2895



17.7248, 11.2250, 80.5893



11.1686, 11.2250, 0.0000

Square

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



17.7248, 11.2250, 80.5893



26.2541, 11.2250, 1.9148



5.7891, 11.2250, 0.0000



2.9290, 11.2250, 38.1082

Rectangle

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



17.7248, 11.2250, 80.5893



28.4481, 11.2250, 21.6242



5.7891, 11.2250, 0.0000



2.4614, 11.2250, 6.0379

Sweetspot

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



17.7255, 11.2252, 80.5897



57.9093, 59.5127, 103.0427



36.1127, 62.4381, 42.2066



11.5253, 11.7551, 21.9115



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.



17.7255, 11.2252, 80.5897



21.0722, 13.2645, 96.0574



15.9927, 6.4967, 79.7683



14.6270, 15.3404, 19.1123



9.8722, 6.3913, 44.4563



0.8594, 0.6703, 3.5190

Inverse Universe

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



35.8974, 18.3562, 8.4882



42.7655, 21.8702, 9.9631



52.9378, 71.8183, 11.0742



15.2653, 15.1340, 16.6821



19.8383, 10.1380, 4.9499



1.6003, 0.8131, 0.6125

Previews

White Background



This preview shows how the XYZ color 17.7248, 11.2250, 80.5893 looks on a white background.

Color Contrast Check

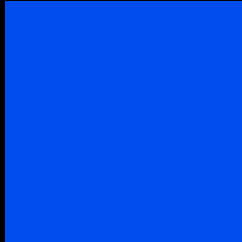
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7248, 11.2250, 80.5893 looks on a black 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

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

XYZ 17.7248, 11.2250, 80.5893

Background



This preview shows how black text looks on a background with the XYZ color 17.7248, 11.2250, 80.5893.



This preview shows how white text looks on a background with the XYZ color 17.7248, 11.2250,

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

17.7248, 11.2250, 80.5893

Deuteranopia

10.7045, 10.9744, 35.7365

Tritanopia

7.7648, 11.0264, 16.4709

Trichromacy



Original Color

17.7248, 11.2250, 80.5893

Deuteranomaly

12.7577, 10.8189, 49.5600

Tritanomaly

10.0035, 10.4057, 32.9338

Monochromacy



Original Color

17.7248, 11.2250, 80.5893

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.6741, 7.0119, 22.7788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7248, 11.2250, 80.5893 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, 76, 236)` looks like.

```
.text, #text, p{  
  color:rgb(0, 76, 236)  
}
```

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, 76, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 76, 236) }
```

Border

The CSS property to change the border of an element to XYZ 17.7248, 11.2250, 80.5893 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, 76, 236) }
```

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

```
.border{ border-color:rgb(0, 76, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 76, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 76, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 76, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 76, 236)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.7248, 11.2250, 80.5893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 76, 236) }
```

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

```
.background{ background-color: rgb(0, 76,  
236) }
```

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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