

Converting Colors

XYZ(17.6737, 11.4472, 79.5726)

Have a look what the booklet for
XYZ(17.6737, 11.4472, 79.5726)
contains.

XYZ(17.7198, 11.4469, 79.8728)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.7198, 11.4469,
79.8728)**

Conversions

Conversions Part 1

Format	Color
Hex	004EEB
RGB	0, 78, 235
RGB Percent	0%, 31%, 92%
CMY	0.9997, 0.6941, 0.0784
CMYK	1.00, 0.67, 0.00, 0.08
HSL	220°, 100%, 46%
HSV	220°, 100%, 92%
XYZ	17.7198, 11.4469, 79.8728
YIQ	72.5760, -96.8850, 32.2910

Conversions

Conversions Part 2

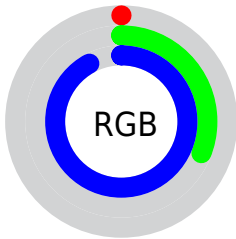
Format	Color
R _{YB}	0, 59, 235
Decimal	20203
CIE Lab	40.32, 42.86, -83.27
CIE LCh	40, 93.650, 297.237
Yxy	11.4469, 0.1625, 0.1050
Android (android.graphics.Color)	4278210283 (0xFF004EEB)
YUV	72.5760, 80.0750, -63.6492
Hunter-Lab	33.8333, 34.2792, -116.2872

Details

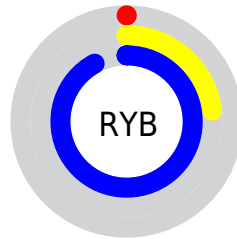
The XYZ color **17.7198, 11.4469, 79.8728** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **46.3302, 41.7999, 5.6282**, and the grayscale version is **6.1405, 6.4602, 7.0352**.

A 20% lighter version of the original color is **32.0698, 25.7137, 97.8807**, and **8.6369, 4.4164, 42.5167** is the 20% darker color. If you saturate the color by 10%, you get **17.7165, 11.4403, 79.8721**, and if you desaturate by 10%, it is **19.3382, 14.1397, 80.3076**.

Distribution



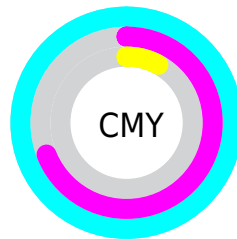
- Red (0%)
- Green (31%)
- Blue (92%)



- Red (0%)
- Yellow (23%)
- Blue (92%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (69%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7198, 11.4469, 79.8728 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 17.7198, 11.4469, 79.8728 by changing the saturation by 10% instead.

■ 17.7198, 11.4469,
79.8728

■ 17.7198, 11.4469,
79.8728

232.3632,
200.7084, 514.1995

■ 10.8475, 6.3683,
59.0881

■ 39.0931, 28.4837,
134.9967

■ 6.0309, 3.0703,
42.2636

■ 54.3248, 41.2106,
170.1729

■ 2.9047, 1.1685,
28.9806

■ 73.0737, 57.2557,
210.9835

■ 1.1036, 0.0358,
18.8207

■ 95.7051, 77.0034,
257.8469

■ 0.0281, 0.0000,
11.3653

■ 122.5844,
100.8382, 311.1817

■ 0.0000, 0.0000,
6.1959

154.0770,

■ 0.0000, 0.0000,

129.1443, 371.4063

2.8938

190.5481,
162.3063, 438.9394

■ 0.0000, 0.0000,
1.0407

■ 0.0000, 0.0000,
0.0000

■ 17.7198, 11.4469,
79.8728

■ 17.7198, 11.4469,
79.8728

■ 17.7165, 11.4403,
79.8721

■ 19.3382, 14.1397,
80.3076

■ 21.6830, 17.6285,
80.8574

■ 24.9102, 22.0171,
81.5344

■ 29.1163, 27.3772,
82.3474

■ 34.3842, 33.7718,
83.3040

■ 40.7870, 41.2580,
84.4115

■ 48.3911, 49.8881,
85.6765

■ 57.2575, 59.7109,
87.1052

■ 67.4427, 70.7719,
88.7034

Harmonies

Analogous

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



10.2843, 11.4469, 94.3154



17.7198, 11.4469, 79.8728



25.2739, 11.4469, 43.9332

Triad

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



17.7198, 11.4469, 79.8728



19.2150, 11.4469, 0.0000



2.5270, 11.4469, 10.8053

Complementary

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



17.7198, 11.4469, 79.8728



46.3302, 41.7999, 5.6282

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.



3.3552, 11.4469, 1.3622



17.7198, 11.4469, 79.8728



11.4981, 11.4469, 0.0000

Square

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



17.7198, 11.4469, 79.8728



26.3533, 11.4469, 2.1727



6.0749, 11.4469, 0.0000



3.0858, 11.4469, 37.3234

Rectangle

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



17.7198, 11.4469, 79.8728



28.3591, 11.4469, 22.2472



6.0749, 11.4469, 0.0000



2.6407, 11.4469, 6.0744

Sweetspot

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



17.7205, 11.4471, 79.8732



58.0885, 59.8711, 103.1024



35.7686, 61.8411, 41.8107



11.5670, 11.8385, 21.9254



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.



17.7205, 11.4471, 79.8732



21.2661, 13.6522, 96.1220



15.8413, 6.4353, 79.0048



14.6394, 15.3652, 19.1165



9.9645, 6.5759, 44.4871



0.8678, 0.6871, 3.5218

Inverse Universe

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



35.6369, 18.2137, 8.8446



42.8633, 21.9093, 10.4784



52.4335, 71.1321, 10.9682



15.2715, 15.1365, 16.7152



19.8849, 10.1566, 5.1952



1.6045, 0.8148, 0.6349

Previews

White Background



This preview shows how the XYZ color 17.7198, 11.4469, 79.8728 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 17.7198, 11.4469, 79.8728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

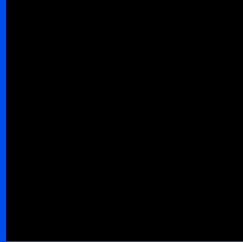
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7198, 11.4469, 79.8728

Background



This preview shows how black text looks on a background with the XYZ color 17.7198, 11.4469, 79.8728.



This preview shows how white text looks on a background with the XYZ color 17.7198, 11.4469,

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

17.7198, 11.4469, 79.8728

Protanopia

13.2555, 11.2879, 51.3493

Deuteranopia

10.9755, 11.2297, 36.7110



Tritanopia

7.9208, 11.2508, 16.7931

Trichromacy



Original Color

17.7198, 11.4469, 79.8728

Protanomaly

14.7130, 11.2096, 61.0627

Deuteranomaly

12.9504, 11.0300, 50.1616

Tritanomaly

10.0930, 10.5847, 32.9636

Monochromacy



Original Color

17.7198, 11.4469, 79.8728

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.8076, 7.2789, 22.8233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7198, 11.4469, 79.8728 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, 78, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 78, 235)  
}
```

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, 78, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 78, 235) }
```

Border

The CSS property to change the border of an element to XYZ 17.7198, 11.4469, 79.8728 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, 78, 235) }
```


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

```
.border{ border-color:rgb(0, 78, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 78, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 78, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 78, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 78, 235)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7198, 11.4469, 79.8728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 78, 235) }
```

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

```
.background{ background-color: rgb(0, 78,  
235) }
```

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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