

Converting Colors

XYZ(17.9102, 16.3500, 61.6897)

Have a look what the booklet for
XYZ(17.9102, 16.3500, 61.6897)
contains.

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Color

**XYZ(17.9447, 16.3741,
61.8892)**

Conversions

Conversions Part 1

Format	Color
Hex	286FD0
RGB	40, 111, 208
RGB Percent	16%, 44%, 82%
CMY	0.8431, 0.5647, 0.1843
CMYK	0.81, 0.47, 0.00, 0.18
HSL	215°, 68%, 49%
HSV	215°, 81%, 82%
XYZ	17.9447, 16.3741, 61.8892
YIQ	100.8290, -73.4530, 15.1150

Conversions

Conversions Part 2

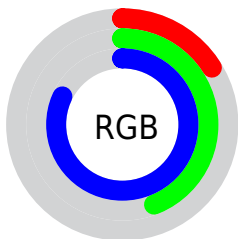
Format	Color
R_{YB}	40, 90, 208
Decimal	2650064
CIE _{Lab}	47.46, 13.30, -56.26
CIE _{LCh}	47, 57.805, 283.298
Yxy	16.3741, 0.1865, 0.1702
Android (android.graphics.Color)	4280840144 (0xFF286FD0)
YUV	100.8290, 52.8353, -53.3470
Hunter-Lab	40.4649, 8.3445, -62.3558

Details

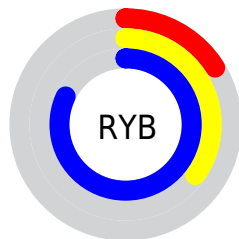
The XYZ color **17.9447, 16.3741, 61.8892** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **35.3437, 31.4590, 6.2183**, and the grayscale version is **12.2088, 12.8446, 13.9878**.

A 20% lighter version of the original color is **37.6524, 36.5054, 99.6695**, and **7.5832, 5.9667, 30.8890** is the 20% darker color. If you saturate the color by 10%, you get **16.1189, 13.6165, 61.4536**, and if you desaturate by 10%, it is **20.3827, 19.7091, 62.4048**.

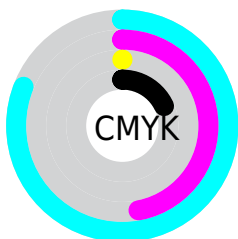
Distribution



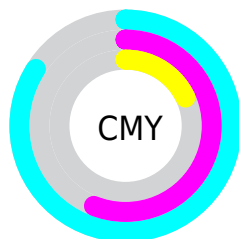
- Red (16%)
- Green (44%)
- Blue (82%)



- Red (16%)
- Yellow (35%)
- Blue (82%)



- Cyan (81%)
- Magenta (47%)
- Yellow (0%)
- Black (18%)



- Cyan (84%)
- Magenta (56%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9447, 16.3741, 61.8892 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 17.9447, 16.3741, 61.8892 by changing the saturation by 10% instead.

■ 17.9447, 16.3741,
61.8892

■ 17.9447, 16.3741,
61.8892

233.6108,
231.5392, 449.5233

■ 11.0097, 9.7893,
44.5080

■ 39.4739, 37.2465,
109.1354

■ 6.1407, 5.2595,
30.7299

■ 54.7988, 52.3028,
139.8375

■ 2.9723, 2.4003,
20.1365

■ 73.6512, 70.9517,
175.8169

■ 1.1391, 0.8260,
12.3093

■ 96.3962, 93.5776,
217.4922

■ 0.0575, 0.0000,
6.8296

■ 123.3993,
120.5649, 265.2820

■ 0.0000, 0.0000,
3.2789

155.0259,

■ 0.0000, 0.0000,

152.2980, 319.6047

1.2388

191.6413,
189.1613, 380.8790

■ 0.0000, 0.0000,
0.0108

■ 0.0000, 0.0000,
0.0000

■ 17.9447, 16.3741,
61.8892

■ 17.9447, 16.3741,
61.8892

■ 16.1189, 13.6165,
61.4536

■ 20.3827, 19.7091,
62.4048

■ 14.8663, 11.5162,
61.1142

■ 23.4986, 23.6648,
63.0041

■ 27.3508, 28.2808,
63.6921

■ 31.9901, 33.5921,
64.4727

■ 37.4627, 39.6310,
65.3499

■ 43.8108, 46.4272,
66.3271

■ 51.0737, 54.0090,
67.4078

■ 59.2881, 62.4027,
68.5950

■ 68.4886, 71.6334,
69.8918

Harmonies

Analogous

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



12.8963, 16.3741, 60.8987



17.9447, 16.3741, 61.8892



23.3575, 16.3741, 47.3144

Triad

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



17.9447, 16.3741, 61.8892



23.9048, 16.3741, 4.6232



7.8966, 16.3741, 10.8785

Complementary

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



17.9447, 16.3741, 61.8892



35.3437, 31.4590, 6.2183

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.



9.7299, 16.3741, 4.1573



17.9447, 16.3741, 61.8892



18.5743, 16.3741, 2.1491

Square

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



17.9447, 16.3741, 61.8892



27.2751, 16.3741, 12.0868



13.4021, 16.3741, 2.0448



7.8005, 16.3741, 25.1501

Rectangle

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



17.9447, 16.3741, 61.8892



26.1461, 16.3741, 33.7784



13.4021, 16.3741, 2.0448



8.3081, 16.3741, 7.9072

Sweetspot

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



17.9454, 16.3746, 61.8896



65.7512, 69.6716, 104.5902



27.8195, 47.3186, 30.6653



13.3006, 14.0844, 22.2675



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.



17.9454, 16.3746, 61.8896



23.9590, 18.8958, 96.9922



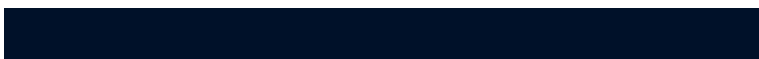
13.5206, 6.7821, 60.2713



11.5684, 12.2271, 14.9940



9.3566, 7.3599, 38.1199



0.6010, 0.5671, 2.1574

Inverse Universe

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



29.6412, 16.0763, 16.5799



44.2573, 22.5998, 17.4092



45.9133, 57.1089, 10.6121



12.0130, 11.8900, 13.3445



17.3535, 8.8143, 6.7678



1.0096, 0.5085, 0.5852

Previews

White Background



This preview shows how the XYZ color 17.9447, 16.3741, 61.8892 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 17.9447, 16.3741, 61.8892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

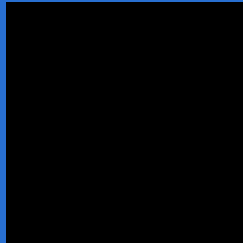
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9447, 16.3741, 61.8892

Background



This preview shows how black text looks on a background with the XYZ color 17.9447, 16.3741, 61.8892.



This preview shows how white text looks on a background with the XYZ color 17.9447, 16.3741,

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

17.9447, 16.3741, 61.8892

Protanopia

18.6591, 16.4503, 60.5843

Deuteranopia

16.5599, 16.2517, 57.5224



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

17.9447, 16.3741, 61.8892

Protanomaly

18.4140, 16.4691, 61.2398

Deuteranomaly

17.0012, 16.2714, 59.3714

Tritanomaly

13.1390, 15.8333, 35.6213

Monochromacy



Original Color

17.9447, 16.3741, 61.8892

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.0096, 13.6589, 26.7617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9447, 16.3741, 61.8892 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(40, 111, 208)` looks like.

```
.text, #text, p{  
    color:rgb(40, 111, 208)  
}
```

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(40, 111, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 111, 208) }
```

Border

The CSS property to change the border of an element to XYZ 17.9447, 16.3741, 61.8892 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(40, 111, 208) }
```


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

```
.border{ border-color:rgb(40, 111, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 111, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 111, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 111, 208);  
box-shadow:4px 4px 4px 4px rgb(40, 111,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9447, 16.3741, 61.8892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 111, 208) }
```

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

```
.background{ background-color: rgb(40, 111,  
208) }
```

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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