

Converting Colors

XYZ(17.0598, 12.9405, 67.9289)

Have a look what the booklet for
XYZ(17.0598, 12.9405, 67.9289)
contains.

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Color

**XYZ(17.0232, 12.8675,
67.9161)**

Conversions

Conversions Part 1

Format	Color
Hex	215BDA
RGB	33, 91, 218
RGB Percent	13%, 36%, 85%
CMY	0.8705, 0.6431, 0.1451
CMYK	0.85, 0.58, 0.00, 0.15
HSL	221°, 74%, 49%
HSV	221°, 85%, 85%
XYZ	17.0232, 12.8675, 67.9161
YIQ	88.1360, -75.3350, 27.2010

Conversions

Conversions Part 2

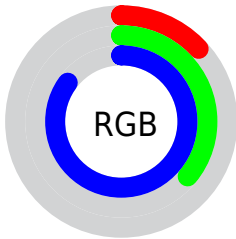
Format	Color
R _Y B	33, 77, 218
Decimal	2186202
CIE Lab	42.56, 29.41, -69.91
CIE LCh	43, 75.849, 292.818
Yxy	12.8675, 0.1740, 0.1316
Android (android.graphics.Color)	4280376282 (0xFF215BDA)
YUV	88.1360, 64.0230, -48.3543
Hunter-Lab	35.8713, 21.9348, -87.1455

Details

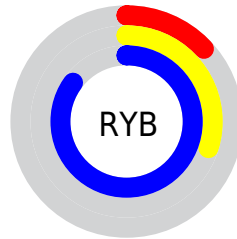
The XYZ color **17.0232, 12.8675, 67.9161** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **41.7630, 40.1646, 6.9918**, and the grayscale version is **9.1835, 9.6617, 10.5216**.

A 20% lighter version of the original color is **34.2570, 29.7145, 98.5377**, and **7.5381, 4.6417, 34.6810** is the 20% darker color. If you saturate the color by 10%, you get **15.3826, 10.3080, 67.5089**, and if you desaturate by 10%, it is **19.3714, 16.1704, 68.4302**.

Distribution



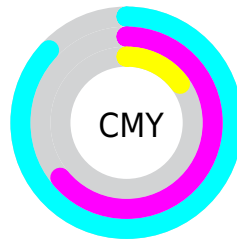
- Red (13%)
- Green (36%)
- Blue (85%)



- Red (13%)
- Yellow (30%)
- Blue (85%)



- Cyan (85%)
- Magenta (58%)
- Yellow (0%)
- Black (15%)



- Cyan (87%)
- Magenta (64%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0232, 12.8675, 67.9161 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 17.0232, 12.8675, 67.9161 by changing the saturation by 10% instead.

■ 17.0232, 12.8675,
67.9161

■ 17.0232, 12.8675,
67.9161

228.4597,
210.0667, 471.7887

■ 10.3464, 7.3374,
49.3632

■ 37.9089, 31.0655,
117.8852

■ 5.6933, 3.6740,
34.5401

■ 52.8486, 44.5022,
150.1385

■ 2.6984, 1.4929,
23.0281

■ 71.2733, 61.3432,
187.7957

■ 0.9963, 0.2837,
14.4088

■ 93.5484, 81.9730,
231.2752

■ 0.0000, 0.0000,
8.2635

■ 120.0393,
106.7758, 280.9958

■ 0.0000, 0.0000,
4.1738

151.1112,

■ 0.0000, 0.0000,

136.1361, 337.3759

1.7212

187.1295,
170.4383, 400.8340

■ 0.0000, 0.0000,
0.3752

■ 0.0000, 0.0000,
0.0000

■ 17.0232, 12.8675,
67.9161

■ 17.0232, 12.8675,
67.9161

■ 15.3826, 10.3080,
67.5089

■ 19.3714, 16.1704,
68.4302

■ 14.7420, 9.2361,
67.3358

■ 22.5144, 20.2828,
69.0583

■ 26.5278, 25.2627,
69.8080

■ 31.4769, 31.1618,
70.6858

■ 37.4203, 38.0274,
71.6978

■ 44.4118, 45.9032,
72.8494

■ 52.5009, 54.8300,
74.1461

■ 61.7341, 64.8463,
75.5929

■ 72.1549, 75.9886,
77.1943

Harmonies

Analogous

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



10.9030, 12.8675, 74.4851



17.0232, 12.8675, 67.9161



23.2844, 12.8675, 43.0661

Triad

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



17.0232, 12.8675, 67.9161



20.1761, 12.8675, 0.9056



4.2288, 12.8675, 10.4222

Complementary

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



17.0232, 12.8675, 67.9161



41.7630, 40.1646, 6.9918

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.



5.3815, 12.8675, 2.2807



17.0232, 12.8675, 67.9161



13.6609, 12.8675, 0.0000

Square

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



17.0232, 12.8675, 67.9161



25.4665, 12.8675, 4.9866



8.4336, 12.8675, 0.2427



4.6229, 12.8675, 30.1686

Rectangle

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



17.0232, 12.8675, 67.9161



26.0759, 12.8675, 25.5607



8.4336, 12.8675, 0.2427



4.4317, 12.8675, 6.6000

Sweetspot

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



17.0239, 12.8678, 67.9165



62.9506, 65.0324, 103.8424



31.9943, 52.9847, 41.5348



12.6842, 13.0354, 22.0975



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.



17.0239, 12.8678, 67.9165



20.9132, 12.9464, 96.0044



15.5096, 7.3418, 66.9297



12.6700, 13.2798, 16.5476



8.9171, 5.7036, 40.3693



0.6535, 0.5210, 2.6406

Inverse Universe

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



31.3463, 16.7497, 11.4784



42.6852, 21.8381, 9.5404



45.1345, 60.4542, 10.7304



13.2233, 13.1184, 14.4372



17.9963, 9.1995, 4.3604



1.2041, 0.6113, 0.4839

Previews

White Background



This preview shows how the XYZ color 17.0232, 12.8675, 67.9161 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 17.0232, 12.8675, 67.9161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

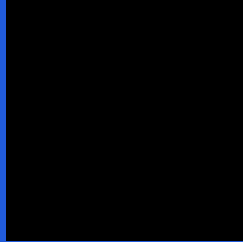
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0232, 12.8675, 67.9161

Background



This preview shows how black text looks on a background with the XYZ color 17.0232, 12.8675, 67.9161.



This preview shows how white text looks on a background with the XYZ color 17.0232, 12.8675,

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

17.0232, 12.8675, 67.9161

Protanopia

15.0820, 12.7254, 58.7881

Deuteranopia

12.4892, 12.5979, 42.3308



Tritanopia

8.9545, 12.6769, 19.1145

Trichromacy



Original Color

17.0232, 12.8675, 67.9161

Protanomaly

15.6629, 12.6870, 61.9449

Deuteranomaly

13.9233, 12.5751, 50.9836

Tritanomaly

10.9347, 12.3119, 32.3720

Monochromacy



Original Color

17.0232, 12.8675, 67.9161

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.3294, 10.1230, 24.3312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0232, 12.8675, 67.9161 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(33, 91, 218)` looks like.

```
.text, #text, p{  
    color:rgb(33, 91, 218)  
}
```

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(33, 91, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 91, 218) }
```

Border

The CSS property to change the border of an element to XYZ 17.0232, 12.8675, 67.9161 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(33, 91, 218) }
```


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

```
.border{ border-color:rgb(33, 91, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 91, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 91, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 91, 218);  
box-shadow:4px 4px 4px 4px rgb(33, 91,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0232, 12.8675, 67.9161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 91, 218) }
```

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

```
.background{ background-color: rgb(33, 91,  
218) }
```

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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