

Converting Colors

XYZ(16.5865, 12.1744, 67.7847)

Have a look what the booklet for
XYZ(16.5865, 12.1744, 67.7847)
contains.

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Color

**XYZ(16.5698, 12.1396,
67.7995)**

Conversions

Conversions Part 1

Format	Color
Hex	1D57DA
RGB	29, 87, 218
RGB Percent	11%, 34%, 85%
CMY	0.8862, 0.6588, 0.1451
CMYK	0.87, 0.60, 0.00, 0.15
HSL	222°, 77%, 48%
HSV	222°, 87%, 85%
XYZ	16.5698, 12.1396, 67.7995
YIQ	84.5920, -76.6190, 28.4450

Conversions

Conversions Part 2

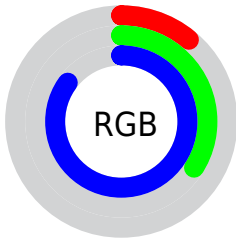
Format	Color
R_{YB}	29, 73, 218
Decimal	1923034
CIE _{Lab}	41.44, 31.74, -71.76
CIE _{LCh}	41, 78.464, 293.863
Yxy	12.1396, 0.1717, 0.1258
Android (android.graphics.Color)	4280113114 (0xFF1D57DA)
YUV	84.5920, 65.7701, -48.7542
Hunter-Lab	34.8419, 23.9160, -90.9841

Details

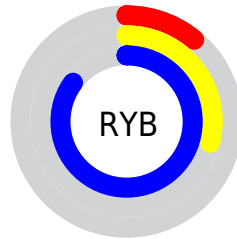
The XYZ color **16.5698, 12.1396, 67.7995** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **41.7107, 40.1444, 6.7142**, and the grayscale version is **8.4302, 8.8692, 9.6586**.

A 20% lighter version of the original color is **33.4097, 28.2078, 98.2915**, and **7.3855, 4.3364, 34.6302** is the 20% darker color. If you saturate the color by 10%, you get **15.0555, 9.7288, 67.4143**, and if you desaturate by 10%, it is **18.7737, 15.2859, 68.2910**.

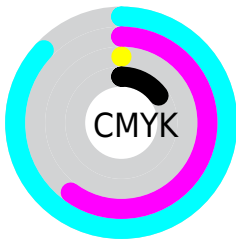
Distribution



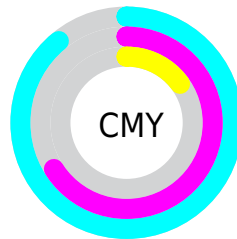
- Red (11%)
- Green (34%)
- Blue (85%)



- Red (11%)
- Yellow (29%)
- Blue (85%)



- Cyan (87%)
- Magenta (60%)
- Yellow (0%)
- Black (15%)



- Cyan (89%)
- Magenta (66%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5698, 12.1396, 67.7995 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 16.5698, 12.1396, 67.7995 by changing the saturation by 10% instead.

■ 16.5698, 12.1396,
67.7995

■ 16.5698, 12.1396,
67.7995

225.8858,
205.3273, 471.3641

■ 10.0216, 6.8388,
49.2690

■ 37.1341, 29.7491,
117.7168

■ 5.4757, 3.3615,
34.4658

■ 51.8810, 42.8266,
149.9406

■ 2.5666, 1.3233,
22.9714

■ 70.0915, 59.2652,
187.5659

■ 0.9289, 0.1591,
14.3673

■ 92.1310, 79.4492,
231.0113

■ 0.0000, 0.0000,
8.2349

■ 118.3648,
103.7630, 280.6952

■ 0.0000, 0.0000,
4.1557

149.1583,

■ 0.0000, 0.0000,

132.5910, 337.0363

1.7111

184.8769,
166.3176, 400.4531

■ 0.0000, 0.0000,
0.3684

■ 0.0000, 0.0000,
0.0000

■ 16.5698, 12.1396,
67.7995

■ 16.5698, 12.1396,
67.7995

■ 15.0555, 9.7288,
67.4143

■ 18.7737, 15.2859,
68.2910

■ 14.6550, 9.0620,
67.3067

■ 21.7616, 19.2386,
68.8964

■ 25.6115, 24.0579,
69.6238

■ 30.3907, 29.7973,
70.4797

■ 36.1593, 36.5056,
71.4705

■ 42.9722, 44.2278,
72.6019

■ 50.8799, 53.0058,
73.8795

■ 59.9297, 62.8791,
75.3082

■ 70.1660, 73.8852,
76.8931

Harmonies

Analogous

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



10.4048, 12.1396, 75.5285



16.5698, 12.1396, 67.7995



22.8595, 12.1396, 41.7520

Triad

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



16.5698, 12.1396, 67.7995



19.2924, 12.1396, 0.5646



3.7068, 12.1396, 10.1355

Complementary

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



16.5698, 12.1396, 67.7995



41.7107, 40.1444, 6.7142

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.



4.7527, 12.1396, 1.9986



16.5698, 12.1396, 67.7995



12.7514, 12.1396, 0.0000

Square

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



16.5698, 12.1396, 67.7995



24.7599, 12.1396, 4.1463



7.6449, 12.1396, 0.0000



4.1325, 12.1396, 30.4379

Rectangle

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



16.5698, 12.1396, 67.7995



25.6105, 12.1396, 24.0146



7.6449, 12.1396, 0.0000



3.8828, 12.1396, 6.2674

Sweetspot

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



16.5705, 12.1399, 67.7999



61.7722, 63.6211, 103.6321



31.7640, 52.8787, 40.9515



12.4524, 12.7526, 22.0551



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.



16.5705, 12.1399, 67.7999



20.7908, 12.7017, 95.9636



15.1878, 7.0208, 66.8847



12.6629, 13.2655, 16.5452



8.8637, 5.5969, 40.3515



0.6493, 0.5127, 2.6392

Inverse Universe

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



31.0738, 16.4735, 10.5587



42.6235, 21.8134, 9.2152



44.9065, 60.3427, 10.4444



13.2197, 13.1170, 14.4182



17.9693, 9.1888, 4.2185



1.2020, 0.6105, 0.4728

Previews

White Background



This preview shows how the XYZ color 16.5698, 12.1396, 67.7995 looks on a white background.

Color Contrast Check

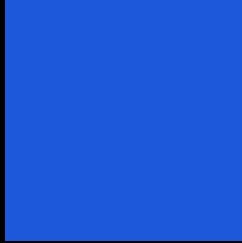
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5698, 12.1396, 67.7995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

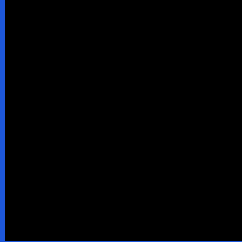
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5698, 12.1396, 67.7995

Background



This preview shows how black text looks on a background with the XYZ color 16.5698, 12.1396, 67.7995.



This preview shows how white text looks on a background with the XYZ color 16.5698, 12.1396,

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

16.5698, 12.1396, 67.7995

Protanopia

14.1957, 12.0826, 55.0101

Deuteranopia

11.8129, 12.0166, 39.7270



Tritanopia

8.3998, 11.9400, 17.7815

Trichromacy



Original Color

16.5698, 12.1396, 67.7995

Protanomaly

14.8985, 11.9611, 59.2811

Deuteranomaly

13.1999, 11.8434, 48.6040

Tritanomaly

10.3627, 11.4525, 31.3701

Monochromacy



Original Color

16.5698, 12.1396, 67.7995

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.7414, 9.4728, 23.5053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5698, 12.1396, 67.7995 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(29, 87, 218)` looks like.

```
.text, #text, p{  
    color:rgb(29, 87, 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(29, 87, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 87, 218) }
```

Border

The CSS property to change the border of an element to XYZ 16.5698, 12.1396, 67.7995 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(29, 87, 218) }
```


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

```
.border{ border-color:rgb(29, 87, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 87, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 87, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 87, 218);  
box-shadow:4px 4px 4px 4px rgb(29, 87,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5698, 12.1396, 67.7995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 87, 218) }
```

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

```
.background{ background-color: rgb(29, 87,  
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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