

Converting Colors

XYZ(16.7253, 15.8397, 35.8941)

Have a look what the booklet for
XYZ(16.7253, 15.8397, 35.8941)
contains.

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Color

**XYZ(16.7253, 15.8397,
35.8941)**

Conversions

Conversions Part 1

Format	Color
Hex	616CA1
RGB	97, 108, 161
RGB Percent	38%, 42%, 63%
CMY	0.6196, 0.5765, 0.3686
CMYK	0.40, 0.33, 0.00, 0.37
HSL	230°, 25%, 51%
HSV	230°, 40%, 63%
XYZ	16.7253, 15.8397, 35.8941
YIQ	110.7530, -23.5690, 14.1510

Conversions

Conversions Part 2

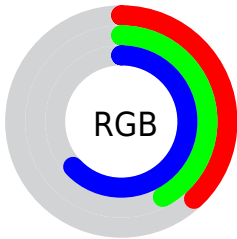
Format	Color
R_{YB}	97, 106, 161
Decimal	6384801
CIE Lab	46.76, 9.66, -29.95
CIE LCh	47, 31.466, 287.869
Yxy	15.8397, 0.2443, 0.2314
Android (android.graphics.Color)	4284574881 (0xFF616CA1)
YUV	110.7530, 24.7718, -12.0614
Hunter-Lab	39.7991, 5.3649, -25.6132

Details

The XYZ color **16.7253, 15.8397, 35.8941** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.7624, 30.2532, 15.6860**, and the grayscale version is **14.9738, 15.7536, 17.1557**.

A 20% lighter version of the original color is **37.3705, 36.2382, 69.9908**, and **5.5558, 5.0225, 15.1446** is the 20% darker color. If you saturate the color by 10%, you get **13.8805, 12.4432, 35.3887**, and if you desaturate by 10%, it is **20.1344, 19.8470, 36.4882**.

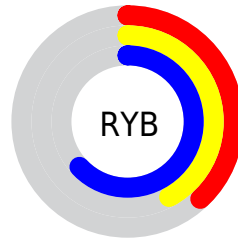
Distribution



Red (38%)

Green (42%)

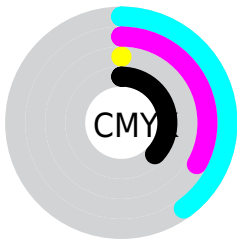
Blue (63%)



Red (38%)

Yellow (42%)

Blue (63%)

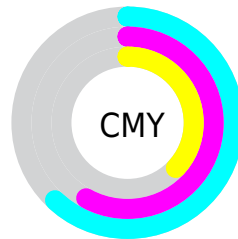


Cyan (40%)

Magenta (33%)

Yellow (0%)

Black (37%)



Cyan (62%)

Magenta (58%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7253, 15.8397, 35.8941 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 16.7253, 15.8397, 35.8941 by changing the saturation by 10% instead.

■ 16.7253, 15.8397,
35.8941

■ 16.7253, 15.8397,
35.8941

226.7716,
228.3940, 343.5208

■ 10.1329, 9.4108,
24.0634

■ 37.4002, 36.3197,
70.0358

■ 5.5501, 5.0101,
15.1680

■ 52.2135, 51.1396,
93.1838

■ 2.6115, 2.2532,
8.7894

■ 70.4978, 69.5252,
120.9414

■ 0.9518, 0.7488,
4.5092

■ 92.6184, 91.8610,
153.7270

■ 0.0000, 0.0000,
1.9086

118.9407,
118.5314, 191.9592

■ 0.0000, 0.0000,
0.4982

149.8301,

■ 0.0000, 0.0000,

149.9208, 236.0566

0.0000

185.6520,
186.4135, 286.4376

■ 16.7253, 15.8397,
35.8941

■ 16.7253, 15.8397,
35.8941

■ 13.8805, 12.4432,
35.3887

■ 20.1344, 19.8470,
36.4882

■ 11.5675, 9.6253,
34.9667

■ 24.1348, 24.4916,
37.1739

■ 9.7527, 7.3535,
34.6239

■ 28.7535, 29.8005,
37.9551

■ 8.3982, 5.5912,
34.3551

■ 34.0155, 35.7986,
38.8356

■ 7.4601, 4.2972,
34.1548

■ 39.9444, 42.5097,
39.8184

■ 6.8535, 3.4066,
34.0149

■ 46.5624, 49.9562,
40.9069

■ 6.8406, 3.3883,
34.0120

■ 53.8910, 58.1596,
42.1041

■ 61.9505, 67.1405,
43.4128

■ 70.7605, 76.9189,
44.8359

Harmonies

Analogous

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



13.9780, 15.8397, 36.5333



16.7253, 15.8397, 35.8941



19.2967, 15.8397, 29.4358

Triad

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



16.7253, 15.8397, 35.8941



18.8612, 15.8397, 8.3224



10.4811, 15.8397, 14.2744

Complementary

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



16.7253, 15.8397, 35.8941



27.7624, 30.2532, 15.6860

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.



11.4857, 15.8397, 8.9949



16.7253, 15.8397, 35.8941



16.1863, 15.8397, 6.3231

Square

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



16.7253, 15.8397, 35.8941



20.6288, 15.8397, 13.0299



13.5001, 15.8397, 6.5249



10.5884, 15.8397, 22.2873

Rectangle

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



16.7253, 15.8397, 35.8941



20.4645, 15.8397, 23.5580



13.5001, 15.8397, 6.5249



10.6944, 15.8397, 12.1772

Sweetspot

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



16.7259, 15.8403, 35.8945



49.3419, 50.9034, 67.6113



23.1212, 30.2100, 33.1584



10.5991, 10.9088, 14.7906



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.7259, 15.8403, 35.8945



25.2534, 22.7600, 63.4486



18.0802, 14.9236, 35.6461



6.7943, 7.0477, 8.9053



5.4851, 2.7496, 27.1714



0.1413, 0.1098, 0.5796

Inverse Universe

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



21.6799, 17.2097, 16.3671



35.5277, 25.9560, 22.8703



25.8422, 31.9926, 16.1230



7.1212, 7.1049, 7.6244



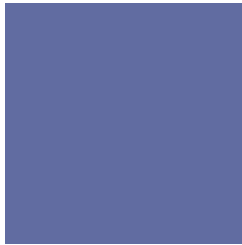
11.9141, 6.1217, 1.4724



0.2635, 0.1339, 0.1001

Previews

White Background



This preview shows how the XYZ color 16.7253, 15.8397, 35.8941 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 16.7253, 15.8397, 35.8941 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

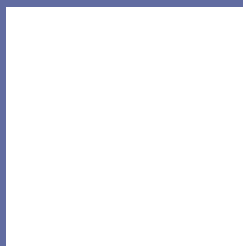
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7253, 15.8397, 35.8941

Background



This preview shows how black text looks on a background with the XYZ color 16.7253, 15.8397, 35.8941.



This preview shows how white text looks on a background with the XYZ color 16.7253, 15.8397,

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

16.7253, 15.8397, 35.8941

Protanopia

16.5044, 15.8731, 36.3764

Deuteranopia

16.2254, 15.8987, 35.9318



Tritanopia

13.7933, 15.7914, 21.3898

Trichromacy



Original Color

16.7253, 15.8397, 35.8941

Protanomaly

16.6063, 15.9256, 36.3811

Deuteranomaly

16.4159, 15.8376, 35.9100

Tritanomaly

14.6239, 15.6186, 25.9108

Monochromacy



Original Color

16.7253, 15.8397, 35.8941

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4822, 15.8010, 23.0028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7253, 15.8397, 35.8941 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(97, 108, 161)` looks like.

```
.text, #text, p{  
    color:rgb(97, 108, 161)  
}
```

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(97, 108, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 108, 161) }
```

Border

The CSS property to change the border of an element to XYZ 16.7253, 15.8397, 35.8941 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(97, 108, 161) }
```


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

```
.border{ border-color:rgb(97, 108, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 108, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 108, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 108, 161);  
box-shadow:4px 4px 4px 4px rgb(97, 108,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7253, 15.8397, 35.8941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 108, 161) }
```

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

```
.background{ background-color: rgb(97, 108,  
161) }
```

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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