

Converting Colors

XYZ(16.6963, 15.4547, 28.6031)

Have a look what the booklet for
XYZ(16.6963, 15.4547, 28.6031)
contains.

XYZ(16.7677, 15.5615, 28.5055)	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(16.7677, 15.5615,
28.5055)**

Conversions

Conversions Part 1

Format	Color
Hex	706990
RGB	112, 105, 144
RGB Percent	44%, 41%, 56%
CMY	0.5608, 0.5882, 0.4353
CMYK	0.22, 0.27, 0.00, 0.44
HSL	251°, 16%, 49%
HSV	251°, 27%, 56%
XYZ	16.7677, 15.5615, 28.5055
YIQ	111.5390, -8.3470, 13.6130

Conversions

Conversions Part 2

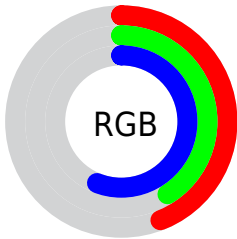
Format	Color
R_{YB}	112, 105, 144
Decimal	7367056
CIE _{Lab}	46.39, 11.48, -20.37
CIE _{LCh}	46, 23.383, 299.417
Yxy	15.5615, 0.2756, 0.2558
Android (android.graphics.Color)	4285557136 (0xFF706990)
YUV	111.5390, 16.0033, 0.4043
Hunter-Lab	39.4481, 6.8387, -15.2298

Details

The XYZ color **16.7677, 15.5615, 28.5055** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.8401, 26.2852, 17.2350**, and the grayscale version is **15.2232, 16.0160, 17.4414**.

A 20% lighter version of the original color is **37.3914, 35.7467, 58.3551**, and **5.5387, 4.8732, 11.0046** is the 20% darker color. If you saturate the color by 10%, you get **14.0174, 12.1479, 27.9918**, and if you desaturate by 10%, it is **19.9647, 19.5748, 29.1119**.

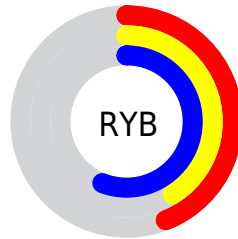
Distribution



Red (44%)

Green (41%)

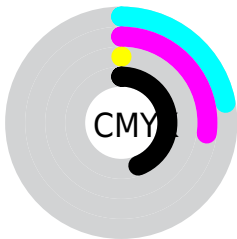
Blue (56%)



Red (44%)

Yellow (41%)

Blue (56%)

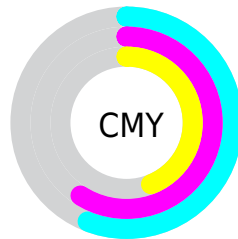


Cyan (22%)

Magenta (27%)

Yellow (0%)

Black (44%)



Cyan (56%)

Magenta (59%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7677, 15.5615, 28.5055 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 16.7677, 15.5615, 28.5055 by changing the saturation by 10% instead.

■ 16.7677, 15.5615,
28.5055

■ 16.7677, 15.5615,
28.5055

227.0126,
226.7401, 308.8622

■ 10.1633, 9.2144,
18.4647

■ 37.4727, 35.8353,
58.3233

■ 5.5704, 4.8813,
11.1113

■ 52.3040, 50.5307,
78.9373

■ 2.6238, 2.1778,
6.0266

■ 70.6084, 68.7777,
103.9129

■ 0.9581, 0.7078,
2.7922

■ 92.7510, 90.9607,
133.6685

■ 0.0000, 0.0000,
0.9895

119.0975,
117.4640, 168.6227

■ 0.0000, 0.0000,
0.0000

150.0129,

148.6721, 209.1940

185.8629,
184.9693, 255.8010

■ 16.7677, 15.5615,
28.5055

■ 16.7677, 15.5615,
28.5055

■ 14.0174, 12.1479,
27.9918

■ 19.9647, 19.5748,
29.1119

■ 11.6921, 9.3033,
27.5653

■ 23.6257, 24.2129,
29.8142

■ 9.7707, 6.9967,
27.2214

■ 27.7690, 29.5017,
30.6166

■ 8.2295, 5.1939,
26.9546

■ 32.4114, 35.4651,
31.5230

■ 7.0422, 3.8563,
26.7590

■ 37.5687, 42.1259,
32.5369

6.1790, 2.9397,
26.6276

43.2564, 49.5056,
33.6615

5.5947, 2.3703,
26.5485

49.4891, 57.6251,
34.9002

5.4561, 2.2312,
26.5289

56.2807, 66.5040,
36.2561

63.6448, 76.1615,
37.7320

Harmonies

Analogous

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



14.7515, 15.5615, 30.5676



16.7677, 15.5615, 28.5055



18.3668, 15.5615, 23.2100

Triad

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



16.7677, 15.5615, 28.5055



16.8417, 15.5615, 9.1008



11.2586, 15.5615, 16.8316

Complementary

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



16.7677, 15.5615, 28.5055



22.8401, 26.2852, 17.2350

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.



11.7118, 15.5615, 11.9211



16.7677, 15.5615, 28.5055



14.8300, 15.5615, 8.1229

Square

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



16.7677, 15.5615, 28.5055



18.4122, 15.5615, 12.0758



12.9756, 15.5615, 9.0267



11.6783, 15.5615, 22.9706

Rectangle

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



16.7677, 15.5615, 28.5055



18.9164, 15.5615, 19.0552



12.9756, 15.5615, 9.0267



11.3133, 15.5615, 14.9945

Sweetspot

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



16.7682, 15.5621, 28.5059



40.9307, 41.7657, 52.4423



19.8771, 23.0511, 29.7875



9.1719, 9.3055, 11.9849



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.7682, 15.5621, 28.5059



26.7757, 23.9640, 49.7523



19.4462, 16.9427, 28.6312



5.2143, 5.2987, 6.7767



4.7665, 1.9508, 23.1024



0.0591, 0.0256, 0.2215

Inverse Universe

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



21.0690, 17.8392, 26.0003



35.6047, 28.6421, 44.4462



19.9948, 24.8184, 17.1018



5.5853, 5.4946, 6.5802



12.8792, 6.3087, 15.5473



0.1301, 0.0631, 0.1856

Previews

White Background



This preview shows how the XYZ color 16.7677, 15.5615, 28.5055 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 16.7677, 15.5615, 28.5055 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 16.7677, 15.5615, 28.5055

Background



This preview shows how black text looks on a background with the XYZ color 16.7677, 15.5615, 28.5055.



This preview shows how white text looks on a background with the XYZ color 16.7677, 15.5615,

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

16.7677, 15.5615, 28.5055

Protanopia

15.8807, 15.6965, 29.7965

Deuteranopia

15.9140, 15.5919, 28.1574



Tritanopia

14.9093, 15.5857, 19.3621

Trichromacy



Original Color

16.7677, 15.5615, 28.5055

Protanomaly

16.2598, 15.7435, 29.3759

Deuteranomaly

16.1595, 15.5627, 28.1388

Tritanomaly

15.5000, 15.5086, 22.2552

Monochromacy



Original Color

16.7677, 15.5615, 28.5055

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7888, 15.8373, 21.2935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7677, 15.5615, 28.5055 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(112, 105, 144)` looks like.

```
.text, #text, p{  
    color:rgb(112, 105, 144)  
}
```

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(112, 105, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 105, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.7677, 15.5615, 28.5055 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(112, 105, 144) }
```


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

```
.border{ border-color:rgb(112, 105, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 105, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 105, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 105, 144);  
box-shadow:4px 4px 4px 4px rgb(112, 105,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7677, 15.5615, 28.5055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 105, 144) }
```

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

```
.background{ background-color: rgb(112,  
105, 144) }
```

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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