

Converting Colors

XYZ(13.6406, 15.2715, 28.7365)

Have a look what the booklet for
XYZ(13.6406, 15.2715, 28.7365)
contains.

XYZ(13.6117, 15.2016, 28.6023)	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(13.6117, 15.2016,
28.6023)**

Conversions

Conversions Part 1

Format	Color
Hex	487190
RGB	72, 113, 144
RGB Percent	28%, 44%, 56%
CMY	0.7176, 0.5569, 0.4353
CMYK	0.50, 0.22, 0.00, 0.44
HSL	206°, 33%, 42%
HSV	206°, 50%, 56%
XYZ	13.6117, 15.2016, 28.6023
YIQ	104.2750, -34.3870, 0.9490

Conversions

Conversions Part 2

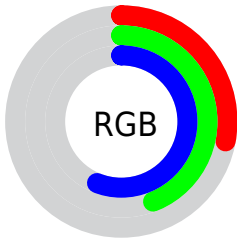
Format	Color
R_{YB}	72, 98, 144
Decimal	4747664
CIE _{Lab}	45.91, -5.26, -21.35
CIE _{LCh}	46, 21.986, 256.171
Yxy	15.2016, 0.2371, 0.2648
Android (android.graphics.Color)	4282937744 (0xFF487190)
YUV	104.2750, 19.5844, -28.3052
Hunter-Lab	38.9892, -5.9142, -16.2024

Details

The XYZ color **13.6117, 15.2016, 28.6023** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.5221, 16.0984, 8.3154**, and the grayscale version is **13.1880, 13.8748, 15.1097**.

A 20% lighter version of the original color is **32.1056, 35.3475, 58.5567**, and **4.0631, 4.6725, 11.0437** is the 20% darker color. If you saturate the color by 10%, you get **11.9931, 13.3754, 28.3354**, and if you desaturate by 10%, it is **15.5300, 17.2531, 28.8974**.

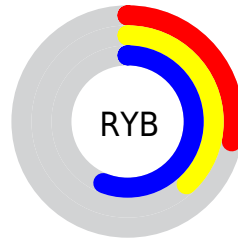
Distribution



Red (28%)

Green (44%)

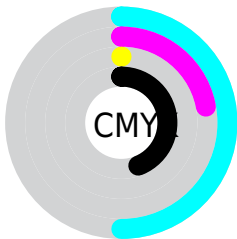
Blue (56%)



Red (28%)

Yellow (38%)

Blue (56%)

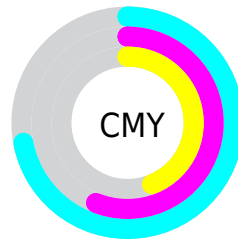


Cyan (50%)

Magenta (22%)

Yellow (0%)

Black (44%)



Cyan (72%)

Magenta (56%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6117, 15.2016, 28.6023 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 13.6117, 15.2016, 28.6023 by changing the saturation by 10% instead.

■ 13.6117, 15.2016,
28.6023

■ 13.6117, 15.2016,
28.6023

208.3610,
224.5832, 309.3358

■ 7.9310, 8.9610,
18.5372

■ 31.9905, 35.2065,
58.4792

■ 4.1023, 4.7157,
11.1629

■ 45.4193, 49.7395,
79.1282

■ 1.7601, 2.0815,
6.0610

■ 62.1615, 67.8055,
104.1421

■ 0.4935, 0.6542,
2.8128

■ 82.5824, 89.7888,
133.9396

■ 0.0000, 0.0000,
0.9999

■ 107.0475,
116.0738, 168.9391

■ 0.0000, 0.0000,
0.0000

135.9220,

147.0450, 209.5594

169.5714,
183.0867, 256.2187

■ 13.6117, 15.2016,
28.6023

■ 13.6117, 15.2016,
28.6023

■ 11.9931, 13.3754,
28.3354

■ 15.5300, 17.2531,
28.8974

■ 10.6540, 11.7618,
28.0945

■ 17.7636, 19.5383,
29.2208

■ 9.5738, 10.3490,
27.8788

■ 20.3286, 22.0671,
29.5737

■ 8.7278, 9.1228,
27.6867

■ 23.2395, 24.8485,
29.9572

■ 8.0515, 8.0485,
27.5149

■ 26.5101, 27.8905,
30.3720

■ 8.0514, 8.0482,
27.5149

■ 30.1530, 31.2011,
30.8190

■ 34.1806, 34.7878,
31.2990

■ 38.6044, 38.6577,
31.8128

■ 43.4356, 42.8176,
32.3611

Harmonies

Analogous

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



12.1139, 15.2016, 25.0812



13.6117, 15.2016, 28.6023



15.4663, 15.2016, 28.4468

Triad

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



13.6117, 15.2016, 28.6023



18.1573, 15.2016, 13.8638



12.0224, 15.2016, 10.4312

Complementary

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



13.6117, 15.2016, 28.6023



17.5221, 16.0984, 8.3154

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.



13.4767, 15.2016, 8.5438



13.6117, 15.2016, 28.6023



17.0657, 15.2016, 10.2155

Square

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



13.6117, 15.2016, 28.6023



18.2013, 15.2016, 19.1191



15.3193, 15.2016, 8.4744



11.2509, 15.2016, 14.2255

Rectangle

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



13.6117, 15.2016, 28.6023



16.6606, 15.2016, 26.2577



15.3193, 15.2016, 8.4744



12.4417, 15.2016, 9.5921

Sweetspot

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



13.6122, 15.2022, 28.6027



38.1850, 41.1652, 52.4711



15.0445, 22.2839, 16.0794



8.5376, 9.2301, 12.0038



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.



13.6122, 15.2022, 28.6027



20.8357, 23.2201, 49.9218



10.4315, 8.8408, 27.5424



5.3684, 5.7326, 6.8523



7.0348, 7.0556, 23.9682



0.0892, 0.1113, 0.2365

Inverse Universe

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



16.8001, 11.7569, 17.0072



27.3576, 17.2538, 25.9563



21.7601, 24.5745, 9.7281



5.5294, 5.4723, 6.2859



11.3540, 5.6986, 7.5153



0.1196, 0.0589, 0.1302

Previews

White Background



This preview shows how the XYZ color 13.6117, 15.2016, 28.6023 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 13.6117, 15.2016, 28.6023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

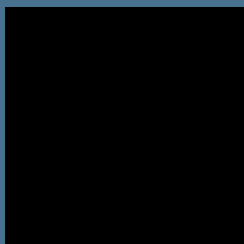
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

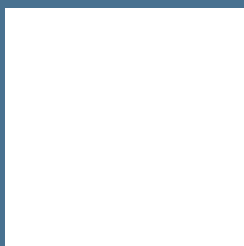
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6117, 15.2016, 28.6023

Background



This preview shows how black text looks on a background with the XYZ color 13.6117, 15.2016, 28.6023.

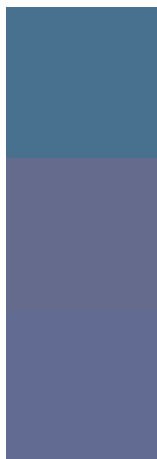


This preview shows how white text looks on a background with the XYZ color 13.6117, 15.2016,

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

13.6117, 15.2016, 28.6023

Protanopia

15.2468, 15.1182, 26.9254

Deuteranopia

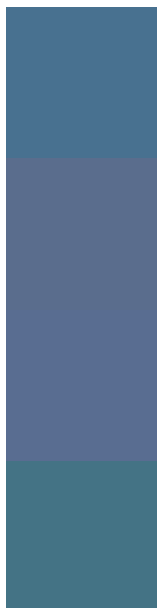
15.4055, 15.1564, 28.9016



Tritanopia

12.2581, 15.1554, 22.0179

Trichromacy



Original Color

13.6117, 15.2016, 28.6023

Protanomaly

14.4928, 15.0340, 27.3373

Deuteranomaly

14.6993, 15.1055, 28.9290

Tritanomaly

12.7483, 15.1839, 24.4492

Monochromacy



Original Color

13.6117, 15.2016, 28.6023

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0011, 14.1226, 19.4935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6117, 15.2016, 28.6023 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(72, 113, 144)` looks like.

```
.text, #text, p{  
    color:rgb(72, 113, 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(72, 113, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 113, 144) }
```

Border

The CSS property to change the border of an element to XYZ 13.6117, 15.2016, 28.6023 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(72, 113, 144) }
```


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

```
.border{ border-color:rgb(72, 113, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 113, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 113, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 113, 144);  
box-shadow:4px 4px 4px 4px rgb(72, 113,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6117, 15.2016, 28.6023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 113, 144) }
```

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

```
.background{ background-color: rgb(72, 113,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor