

Converting Colors

XYZ(13.6277, 14.8369, 36.4462)

Have a look what the booklet for
XYZ(13.6277, 14.8369, 36.4462)
contains.

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Color

**XYZ(13.6312, 14.8751,
36.3352)**

Conversions

Conversions Part 1

Format	Color
Hex	3270A2
RGB	50, 112, 162
RGB Percent	20%, 44%, 64%
CMY	0.8039, 0.5608, 0.3647
CMYK	0.69, 0.31, 0.00, 0.36
HSL	207°, 53%, 42%
HSV	207°, 69%, 64%
XYZ	13.6312, 14.8751, 36.3352
YIQ	99.1620, -53.0020, 2.4060

Conversions

Conversions Part 2

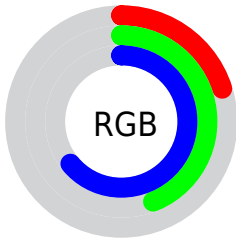
Format	Color
RYB	50, 90, 162
Decimal	3305634
CIELab	45.46, -3.21, -32.75
CIELCh	45, 32.911, 264.409
Yxy	14.8751, 0.2102, 0.2294
Android (android.graphics.Color)	4281495714 (0xFF3270A2)
YUV	99.1620, 30.9791, -43.1151
Hunter-Lab	38.5683, -4.4071, -28.8594

Details

The XYZ color **13.6312, 14.8751, 36.3352** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.0342, 17.0275, 5.2492**, and the grayscale version is **11.8352, 12.4516, 13.5597**.

A 20% lighter version of the original color is **31.9283, 34.4553, 70.6134**, and **4.7048, 4.9064, 15.4509** is the 20% darker color. If you saturate the color by 10%, you get **12.2031, 13.0016, 36.0492**, and if you desaturate by 10%, it is **15.4071, 17.0235, 36.6566**.

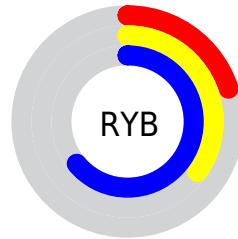
Distribution



Red (20%)

Green (44%)

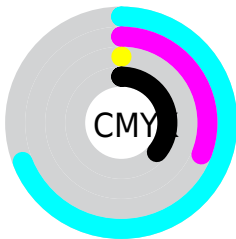
Blue (64%)



Red (20%)

Yellow (35%)

Blue (64%)

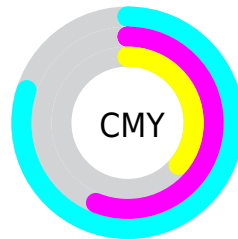


Cyan (69%)

Magenta (31%)

Yellow (0%)

Black (36%)



Cyan (80%)

Magenta (56%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6312, 14.8751, 36.3352 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 13.6312, 14.8751, 36.3352 by changing the saturation by 10% instead.

■ 13.6312, 14.8751,
36.3352

■ 13.6312, 14.8751,
36.3352

208.4811,
222.6090, 345.5049

■ 7.9446, 8.7318,
24.4014

■ 32.0250, 34.6339,
70.7240

■ 4.1110, 4.5666,
15.4167

■ 45.4628, 49.0182,
94.0161

■ 1.7651, 1.9953,
8.9625

■ 62.2151, 66.9183,
121.9314

■ 0.4965, 0.6047,
4.6203

■ 82.6473, 88.7185,
154.8885

■ 0.0000, 0.0000,
1.9714

■ 107.1246,
114.8033, 193.3058

■ 0.0000, 0.0000,
0.5376

136.0124,

■ 0.0000, 0.0000,

145.5570, 237.6020

0.0000

169.6762,
181.3641, 288.1955

■ 13.6312, 14.8751,
36.3352

■ 13.6312, 14.8751,
36.3352

■ 12.2031, 13.0016,
36.0492

■ 15.4071, 17.0235,
36.6566

■ 11.0883, 11.3823,
35.7954

■ 17.5576, 19.4621,
37.0139

■ 10.2211, 9.9814,
35.5707

■ 20.1081, 22.2064,
37.4092

■ 10.1505, 9.8663,
35.5522

■ 23.0814, 25.2701,
37.8439

■ 26.4986, 28.6659,
38.3192

■ 30.3791, 32.4059,
38.8366

■ 34.7411, 36.5012,
39.3972

■ 39.6018, 40.9626,
40.0021

■ 44.9776, 45.8003,
40.6525

Harmonies

Analogous

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



11.2881, 14.8751, 31.8278



13.6312, 14.8751, 36.3352



16.4295, 14.8751, 34.1904

Triad

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



13.6312, 14.8751, 36.3352



19.4997, 14.8751, 10.7265



10.2718, 14.8751, 8.9058

Complementary

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



13.6312, 14.8751, 36.3352



20.0342, 17.0275, 5.2492

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.



12.0708, 14.8751, 5.9749



13.6312, 14.8751, 36.3352



17.4319, 14.8751, 6.7634

Square

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



13.6312, 14.8751, 36.3352



20.0574, 14.8751, 17.7115



14.6579, 14.8751, 5.3418



9.5160, 14.8751, 14.7704

Rectangle

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



13.6312, 14.8751, 36.3352



18.1553, 14.8751, 29.5447



14.6579, 14.8751, 5.3418



10.7624, 14.8751, 7.6313

Sweetspot

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



13.6317, 14.8756, 36.3356



46.6262, 50.5880, 69.3631



16.4663, 27.4113, 16.1120



10.1003, 10.9941, 15.5272



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



13.6317, 14.8756, 36.3356



20.9844, 21.9465, 65.1862



9.3241, 6.2603, 34.8997



7.0103, 7.4795, 8.9773



8.0402, 7.8598, 28.0231



0.2152, 0.2577, 0.6042

Inverse Universe

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



18.9661, 11.1332, 16.4789



31.9299, 16.9053, 23.8510



27.1204, 31.1999, 7.6113



7.2301, 7.1485, 8.1984



13.2038, 6.6376, 8.2638



0.3008, 0.1488, 0.2966

Previews

White Background



This preview shows how the XYZ color 13.6312, 14.8751, 36.3352 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 13.6312, 14.8751, 36.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

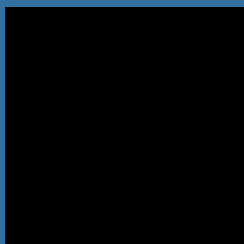
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

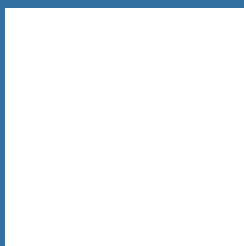
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6312, 14.8751, 36.3352

Background



This preview shows how black text looks on a background with the XYZ color 13.6312, 14.8751, 36.3352.



This preview shows how white text looks on a background with the XYZ color 13.6312, 14.8751,

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

13.6312, 14.8751, 36.3352

Protanopia

15.2688, 14.6771, 33.4807

Deuteranopia

15.1768, 14.8652, 36.7197



Tritanopia

10.8940, 14.9588, 22.7352

Trichromacy



Original Color

13.6312, 14.8751, 36.3352

Protanomaly

14.4358, 14.6896, 34.4223

Deuteranomaly

14.5337, 14.8468, 36.7500

Tritanomaly

11.6387, 14.7243, 27.0396

Monochromacy



Original Color

13.6312, 14.8751, 36.3352

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8565, 13.0551, 20.3073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6312, 14.8751, 36.3352 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(50, 112, 162)` looks like.

```
.text, #text, p{  
    color:rgb(50, 112, 162)  
}
```

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(50, 112, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 112, 162) }
```

Border

The CSS property to change the border of an element to XYZ 13.6312, 14.8751, 36.3352 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(50, 112, 162) }
```


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

```
.border{ border-color:rgb(50, 112, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 112, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 112, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 112, 162);  
box-shadow:4px 4px 4px 4px rgb(50, 112,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6312, 14.8751, 36.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 112, 162) }
```

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

```
.background{ background-color: rgb(50, 112,  
162) }
```

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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