

Converting Colors

XYZ(13.5380, 13.2716, 36.4730)

Have a look what the booklet for
XYZ(13.5380, 13.2716, 36.4730)
contains.

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Color

**XYZ(13.5422, 13.2709,
36.4981)**

Conversions

Conversions Part 1

Format	Color
Hex	4166A3
RGB	65, 102, 163
RGB Percent	25%, 40%, 64%
CMY	0.7451, 0.6000, 0.3608
CMYK	0.60, 0.37, 0.00, 0.36
HSL	217°, 43%, 45%
HSV	217°, 60%, 64%
XYZ	13.5422, 13.2709, 36.4981
YIQ	97.8910, -41.6330, 11.1270

Conversions

Conversions Part 2

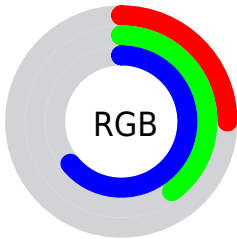
Format	Color
R _{YB}	65, 92, 163
Decimal	4286115
CIE Lab	43.17, 6.11, -36.92
CIE LCh	43, 37.419, 279.399
Yxy	13.2709, 0.2139, 0.2096
Android (android.graphics.Color)	4282476195 (0xFF4166A3)
YUV	97.8910, 32.0987, -28.8454
Hunter-Lab	36.4292, 2.6044, -33.9016

Details

The XYZ color **13.5422, 13.2709, 36.4981** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.5201, 23.0911, 8.2192**, and the grayscale version is **11.5131, 12.1127, 13.1907**.

A 20% lighter version of the original color is **31.9313, 31.9094, 70.8058**, and **4.2834, 3.9760, 15.5806** is the 20% darker color. If you saturate the color by 10%, you get **11.6779, 10.9192, 36.1427**, and if you desaturate by 10%, it is **15.8409, 16.0281, 36.9094**.

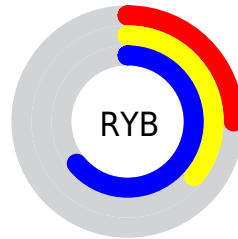
Distribution



Red (25%)

Green (40%)

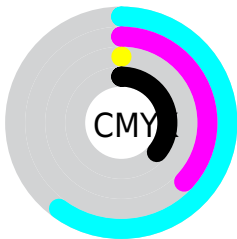
Blue (64%)



Red (25%)

Yellow (36%)

Blue (64%)

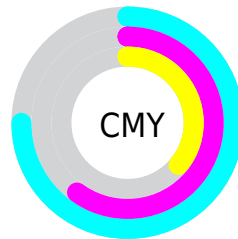


Cyan (60%)

Magenta (37%)

Yellow (0%)

Black (36%)



Cyan (75%)

Magenta (60%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5422, 13.2709, 36.4981 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 13.5422, 13.2709, 36.4981 by changing the saturation by 10% instead.

■ 13.5422, 13.2709,
36.4981

■ 13.5422, 13.2709,
36.4981

207.9320,
212.6466, 346.2355

■ 7.8825, 7.6154,
24.5264

■ 31.8676, 31.7896,
70.9779

■ 4.0710, 3.8498,
15.5088

■ 45.2640, 45.4216,
94.3230

■ 1.7424, 1.5899,
9.0266

■ 61.9700, 62.4811,
122.2964

■ 0.4826, 0.3508,
4.6615

■ 82.3511, 83.3527,
155.3165

■ 0.0000, 0.0000,
1.9948

■ 106.7724,
108.4206, 193.8019

■ 0.0000, 0.0000,
0.5521

135.5995,

■ 0.0000, 0.0000,

138.0693, 238.1712

0.0000

169.1976,
172.6832, 288.8429

■ 13.5422, 13.2709,
36.4981

■ 13.5422, 13.2709,
36.4981

■ 11.6779, 10.9192,
36.1427

■ 15.8409, 16.0281,
36.9094

■ 10.2146, 8.9487,
35.8395

■ 18.6011, 19.2105,
37.3782

■ 9.1156, 7.3338,
35.5857

■ 21.8491, 22.8376,
37.9071

■ 8.3085, 6.0395,
35.3784

■ 25.6088, 26.9274,
38.4984

■ 29.9025, 31.4968,
39.1541

■ 34.7511, 36.5618,
39.8761

■ 40.1741, 42.1375,
40.6665

■ 46.1904, 48.2384,
41.5270

■ 52.8178, 54.8783,
42.4594

Harmonies

Analogous

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



10.7592, 13.2709, 35.0284



13.5422, 13.2709, 36.4981



16.4759, 13.2709, 30.5483

Triad

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



13.5422, 13.2709, 36.4981



17.4086, 13.2709, 6.5247



8.0977, 13.2709, 9.5461

Complementary

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



13.5422, 13.2709, 36.4981



23.5201, 23.0911, 8.2192

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.



9.4076, 13.2709, 5.3164



13.5422, 13.2709, 36.4981



14.6697, 13.2709, 4.0914

Square

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



13.5422, 13.2709, 36.4981



18.9221, 13.2709, 12.0055



11.7284, 13.2709, 3.7548



7.8908, 13.2709, 17.2052

Rectangle

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



13.5422, 13.2709, 36.4981



18.0213, 13.2709, 24.1493



11.7284, 13.2709, 3.7548



8.4129, 13.2709, 7.7729

Sweetspot

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



13.5427, 13.2713, 36.4984



47.1652, 49.6222, 69.1483



19.0072, 28.8104, 24.1074



10.1388, 10.6568, 15.4601



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.



13.5427, 13.2713, 36.4984



19.9960, 18.3481, 64.5438



11.5169, 7.9800, 35.5839



6.9094, 7.2778, 8.9437



6.4981, 4.7756, 27.5091



0.1811, 0.1895, 0.5929

Inverse Universe

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



19.3933, 12.5271, 13.9665



31.8268, 18.3795, 18.6360



26.9197, 33.2101, 9.9932



7.1792, 7.1281, 7.9302



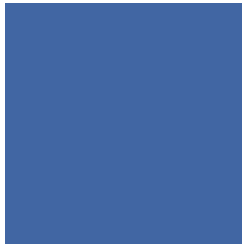
12.4254, 6.3262, 4.1648



0.2836, 0.1419, 0.2060

Previews

White Background



This preview shows how the XYZ color 13.5422, 13.2709, 36.4981 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 13.5422, 13.2709, 36.4981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

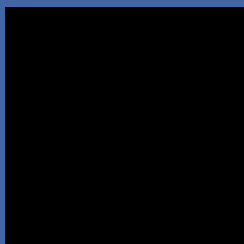
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

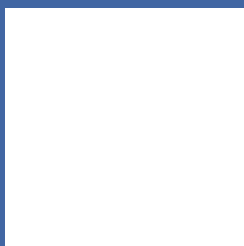
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5422, 13.2709, 36.4981

Background



This preview shows how black text looks on a background with the XYZ color 13.5422, 13.2709, 36.4981.



This preview shows how white text looks on a background with the XYZ color 13.5422, 13.2709,

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

13.5422, 13.2709, 36.4981

Protanopia

14.1321, 13.3073, 35.5419

Deuteranopia

13.6090, 13.3053, 36.5012



Tritanopia

10.2013, 13.3058, 19.7999

Trichromacy



Original Color

13.5422, 13.2709, 36.4981

Protanomaly

13.9229, 13.3325, 36.0220

Deuteranomaly

13.6090, 13.3053, 36.5012

Tritanomaly

11.2747, 13.2596, 25.2577

Monochromacy



Original Color

13.5422, 13.2709, 36.4981

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8124, 12.3073, 20.1653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5422, 13.2709, 36.4981 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(65, 102, 163)` looks like.

```
.text, #text, p{  
    color:rgb(65, 102, 163)  
}
```

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(65, 102, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 102, 163) }
```

Border

The CSS property to change the border of an element to XYZ 13.5422, 13.2709, 36.4981 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(65, 102, 163) }
```


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

```
.border{ border-color:rgb(65, 102, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 102, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 102, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 102, 163);  
box-shadow:4px 4px 4px 4px rgb(65, 102,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5422, 13.2709, 36.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 102, 163) }
```

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

```
.background{ background-color: rgb(65, 102,  
163) }
```

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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