

Converting Colors

XYZ(15.5648, 13.0566, 48.8095)

Have a look what the booklet for
XYZ(15.5648, 13.0566, 48.8095)
contains.

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Color

**XYZ(15.5161, 13.0375,
48.7124)**

Conversions

Conversions Part 1

Format	Color
Hex	455FBB
RGB	69, 95, 187
RGB Percent	27%, 37%, 73%
CMY	0.7294, 0.6274, 0.2667
CMYK	0.63, 0.49, 0.00, 0.27
HSL	227°, 46%, 50%
HSV	227°, 63%, 73%
XYZ	15.5161, 13.0375, 48.7124
YIQ	97.7140, -45.0280, 23.1000

Conversions

Conversions Part 2

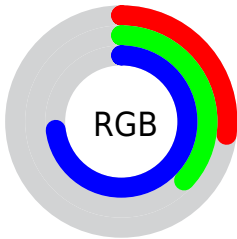
Format	Color
RYB	69, 90, 187
Decimal	4546491
CIELab	42.82, 19.73, -51.55
CIElCh	43, 55.198, 290.945
Yxy	13.0375, 0.2008, 0.1687
Android (android.graphics.Color)	4282736571 (0xFF455FBB)
YUV	97.7140, 44.0180, -25.1822
Hunter-Lab	36.1075, 13.5169, -54.7126

Details

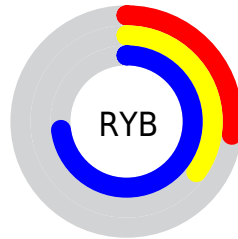
The XYZ color **15.5161, 13.0375, 48.7124** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **34.3139, 36.4865, 10.8653**, and the grayscale version is **11.4415, 12.0373, 13.1087**.

A 20% lighter version of the original color is **35.3566, 31.3716, 89.7798**, and **5.3742, 3.9747, 22.6742** is the 20% darker color. If you saturate the color by 10%, you get **13.1998, 10.0729, 48.2626**, and if you desaturate by 10%, it is **18.4973, 16.7100, 49.2644**.

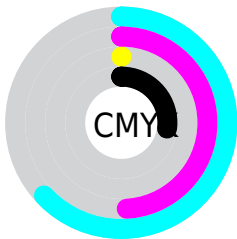
Distribution



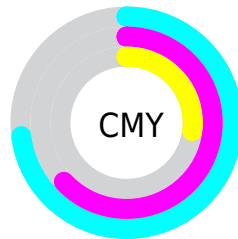
- Red (27%)
- Green (37%)
- Blue (73%)



- Red (27%)
- Yellow (35%)
- Blue (73%)



- Cyan (63%)
- Magenta (49%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (63%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5161, 13.0375, 48.7124 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 15.5161, 13.0375, 48.7124 by changing the saturation by 10% instead.

■ 15.5161, 13.0375,
48.7124

■ 15.5161, 13.0375,
48.7124

219.7961,
211.1579, 398.1989

■ 9.2711, 7.4544,
34.0274

■ 35.3203, 31.3711,
89.6407

■ 4.9769, 3.7479,
22.6371

■ 49.6102, 44.8904,
116.7211

■ 2.2683, 1.5335,
14.1230

■ 67.3125, 61.8239,
148.7704

■ 0.7784, 0.3122,
8.0665

■ 88.7924, 82.5560,
186.2071

■ 0.0000, 0.0000,
4.0492

■ 114.4154,
107.4710, 229.4497

■ 0.0000, 0.0000,
1.6524

144.5468,

■ 0.0000, 0.0000,

136.9534, 278.9169

0.3278

179.5519,
171.3876, 335.0271

■ 0.0000, 0.0000,
0.0000

■ 15.5161, 13.0375,
48.7124

■ 15.5161, 13.0375,
48.7124

■ 13.1998, 10.0729,
48.2626

■ 18.4973, 16.7100,
49.2644

■ 11.4921, 7.7665,
47.9074

■ 22.1899, 21.1329,
49.9235

■ 10.3295, 6.0631,
47.6399

■ 26.6380, 26.3465,
50.6954

■ 9.7695, 5.1874,
47.5004

■ 31.8816, 32.3879,
51.5851

■ 37.9578, 39.2918,
52.5975

■ 44.9013, 47.0908,
53.7369

■ 52.7449, 55.8157,
55.0076

■ 61.5195, 65.4961,
56.4136

■ 71.2547, 76.1600,
57.9588

Harmonies

Analogous

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



11.1612, 13.0375, 51.5950



15.5161, 13.0375, 48.7124



19.7994, 13.0375, 34.3812

Triad

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



15.5161, 13.0375, 48.7124



18.2228, 13.0375, 2.7317



5.9943, 13.0375, 10.8513

Complementary

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



15.5161, 13.0375, 48.7124



34.3139, 36.4865, 10.8653

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.



7.1094, 13.0375, 4.0270



15.5161, 13.0375, 48.7124



13.7096, 13.0375, 1.4043

Square

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



15.5161, 13.0375, 48.7124



21.5917, 13.0375, 7.4171



9.7178, 13.0375, 1.6873



6.2657, 13.0375, 24.1987

Rectangle

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



15.5161, 13.0375, 48.7124



21.7243, 13.0375, 23.1874



9.7178, 13.0375, 1.6873



6.2079, 13.0375, 7.8932

Sweetspot

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



15.5167, 13.0379, 48.7127



61.0462, 62.5088, 93.0493



26.5239, 39.3258, 39.2072



12.7797, 13.0088, 20.3800



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



15.5167, 13.0379, 48.7127



22.2511, 16.1965, 86.1549



16.4060, 10.5812, 48.1917



9.1824, 9.5571, 12.0329



6.7762, 3.6641, 32.7430



0.3153, 0.2432, 1.2992

Inverse Universe

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



24.6878, 15.6481, 12.5459



40.4618, 22.8569, 14.0086



32.4654, 42.9923, 12.2185



9.6139, 9.5699, 10.3559



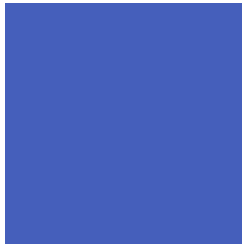
14.4211, 7.3996, 2.2451



0.5900, 0.2999, 0.2204

Previews

White Background



This preview shows how the XYZ color 15.5161, 13.0375, 48.7124 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 15.5161, 13.0375, 48.7124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

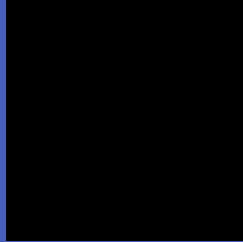
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.5161, 13.0375, 48.7124

Background



This preview shows how black text looks on a background with the XYZ color 15.5161, 13.0375, 48.7124.



This preview shows how white text looks on a background with the XYZ color 15.5161, 13.0375,

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

15.5161, 13.0375, 48.7124

Protanopia

15.0272, 13.1569, 50.4627

Deuteranopia

13.1907, 13.0367, 45.5372



Tritanopia

9.6703, 13.0320, 19.7751

Trichromacy



Original Color

15.5161, 13.0375, 48.7124

Protanomaly

15.2049, 13.1231, 49.8757

Deuteranomaly

13.5053, 12.7399, 46.5470

Tritanomaly

11.1678, 12.6747, 28.2434

Monochromacy



Original Color

15.5161, 13.0375, 48.7124

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.2344, 12.1873, 22.8267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5161, 13.0375, 48.7124 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(69, 95, 187)` looks like.

```
.text, #text, p{  
    color:rgb(69, 95, 187)  
}
```

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(69, 95, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 95, 187) }
```

Border

The CSS property to change the border of an element to XYZ 15.5161, 13.0375, 48.7124 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(69, 95, 187) }
```


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

```
.border{ border-color:rgb(69, 95, 187) }
```

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

Here you see how a box with a 4 pixel rgb(69, 95, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 95, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 95, 187);  
box-shadow:4px 4px 4px 4px rgb(69, 95,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5161, 13.0375, 48.7124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 95, 187) }
```

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

```
.background{ background-color: rgb(69, 95,  
187) }
```

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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