

Converting Colors

XYZ(15.1696, 13.9218, 45.0677)

Have a look what the booklet for
XYZ(15.1696, 13.9218, 45.0677)
contains.

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Color

**XYZ(15.1696, 13.9218,
45.0677)**

Conversions

Conversions Part 1

Format	Color
Hex	4166B4
RGB	65, 102, 180
RGB Percent	25%, 40%, 71%
CMY	0.7451, 0.6000, 0.2941
CMYK	0.64, 0.43, 0.00, 0.29
HSL	221°, 47%, 48%
HSV	221°, 64%, 71%
XYZ	15.1696, 13.9218, 45.0677
YIQ	99.8290, -47.0900, 16.4140

Conversions

Conversions Part 2

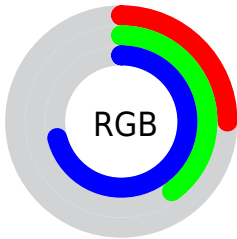
Format	Color
R _{YB}	65, 93, 180
Decimal	4286132
CIE Lab	44.12, 12.08, -45.39
CIE LCh	44, 46.972, 284.897
Yxy	13.9218, 0.2046, 0.1877
Android (android.graphics.Color)	4282476212 (0xFF4166B4)
YUV	99.8290, 39.5243, -30.5450
Hunter-Lab	37.3119, 7.2754, -45.4959

Details

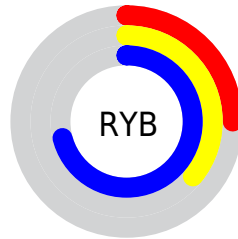
The XYZ color **15.1696, 13.9218, 45.0677** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **29.6005, 29.7323, 9.1809**, and the grayscale version is **11.9815, 12.6054, 13.7273**.

A 20% lighter version of the original color is **34.6999, 33.0495, 83.9072**, and **5.2449, 4.3607, 20.6439** is the 20% darker color. If you saturate the color by 10%, you get **13.0495, 11.1770, 44.6499**, and if you desaturate by 10%, it is **17.8473, 17.2167, 45.5629**.

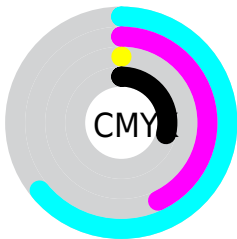
Distribution



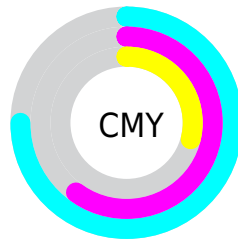
- Red (25%)
- Green (40%)
- Blue (71%)



- Red (25%)
- Yellow (36%)
- Blue (71%)



- Cyan (64%)
- Magenta (43%)
- Yellow (0%)
- Black (29%)



- Cyan (75%)
- Magenta (60%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1696, 13.9218, 45.0677 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 15.1696, 13.9218, 45.0677 by changing the saturation by 10% instead.

■ 15.1696, 13.9218,
45.0677

■ 15.1696, 13.9218,
45.0677

217.7586,
216.7438, 383.2158

■ 9.0256, 8.0663,
31.1674

■ 34.7197, 32.9502,
84.1415

■ 4.8151, 4.1374,
20.4668

■ 48.8564, 46.8919,
110.1521

■ 2.1728, 1.7507,
12.5474

■ 66.3881, 64.2978,
141.0366

■ 0.7284, 0.4562,
6.9906

■ 87.6802, 85.5522,
177.2135

■ 0.0000, 0.0000,
3.3779

■ 113.0979,
111.0397, 219.1013

■ 0.0000, 0.0000,
1.2907

143.0066,

■ 0.0000, 0.0000,

141.1445, 267.1186

0.0541

177.7717,
176.2511, 321.6839

■ 0.0000, 0.0000,
0.0000

■ 15.1696, 13.9218,
45.0677

■ 15.1696, 13.9218,
45.0677

■ 13.0495, 11.1770,
44.6499

■ 17.8473, 17.2167,
45.5629

■ 11.4399, 8.9462,
44.3042

■ 21.1206, 21.0917,
46.1383

■ 10.2881, 7.1900,
44.0259

■ 25.0261, 25.5758,
46.7980

■ 9.7466, 6.3120,
43.8850

■ 29.5967, 30.6956,
47.5453

■ 34.8630, 36.4761,
48.3835

■ 40.8537, 42.9407,
49.3155

■ 47.5957, 50.1118,
50.3443

■ 55.1144, 58.0106,
51.4727

■ 63.4343, 66.6574,
52.7032

Harmonies

Analogous

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



11.4445, 13.9218, 45.0279



15.1696, 13.9218, 45.0677



18.9886, 13.9218, 34.9439

Triad

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



15.1696, 13.9218, 45.0677



19.0119, 13.9218, 4.7694



7.4301, 13.9218, 10.3980

Complementary

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



15.1696, 13.9218, 45.0677



29.6005, 29.7323, 9.1809

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.



8.7755, 13.9218, 4.7452



15.1696, 13.9218, 45.0677



15.1971, 13.9218, 2.6978

Square

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



15.1696, 13.9218, 45.0677



21.4752, 13.9218, 10.4540



11.4673, 13.9218, 2.6918



7.4255, 13.9218, 21.0973

Rectangle

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



15.1696, 13.9218, 45.0677



20.8762, 13.9218, 25.6898



11.4673, 13.9218, 2.6918



7.7274, 13.9218, 7.9888

Sweetspot

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



15.1702, 13.9222, 45.0681



57.8592, 60.2852, 86.8813



23.3596, 35.7099, 31.1228



11.9382, 12.4049, 18.6874



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



15.1702, 13.9222, 45.0681



22.2587, 18.3620, 80.6657



13.8007, 8.9696, 44.1843



8.2578, 8.6617, 10.7430



6.8573, 4.5150, 30.6470



0.2700, 0.2504, 0.9823

Inverse Universe

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



23.1116, 14.4441, 14.1404



38.3748, 21.4000, 17.4578



31.9405, 40.5845, 11.1523



8.6053, 8.5488, 9.4199



13.6959, 6.9959, 3.5586



0.4583, 0.2311, 0.2560

Previews

White Background



This preview shows how the XYZ color 15.1696, 13.9218, 45.0677 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 15.1696, 13.9218, 45.0677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

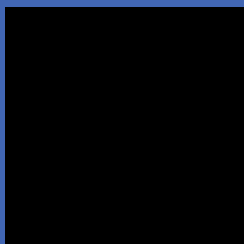
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

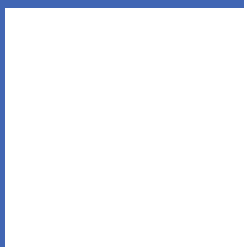
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1696, 13.9218, 45.0677

Background



This preview shows how black text looks on a background with the XYZ color 15.1696, 13.9218, 45.0677.



This preview shows how white text looks on a background with the XYZ color 15.1696, 13.9218,

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

15.1696, 13.9218, 45.0677

Protanopia

15.2446, 13.8272, 44.5133

Deuteranopia

14.2704, 13.9157, 44.5817



Tritanopia

10.2826, 13.8132, 21.1930

Trichromacy



Original Color

15.1696, 13.9218, 45.0677

Protanomaly

15.1743, 13.7910, 44.5100

Deuteranomaly

14.5032, 13.8854, 44.5636

Tritanomaly

11.6922, 13.7234, 28.4182

Monochromacy



Original Color

15.1696, 13.9218, 45.0677

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.5466, 12.9186, 22.6011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1696, 13.9218, 45.0677 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(65, 102, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 102, 180) }
```

Border

The CSS property to change the border of an element to XYZ 15.1696, 13.9218, 45.0677 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, 180) }
```


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

```
.border{ border-color:rgb(65, 102, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 102, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 102, 180);  
box-shadow:4px 4px 4px 4px rgb(65, 102,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1696, 13.9218, 45.0677 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, 180) }
```

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

```
.background{ background-color: rgb(65, 102,  
180) }
```

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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