

Converting Colors

XYZ(18.1436, 13.4192, 42.4780)

Have a look what the booklet for
XYZ(18.1436, 13.4192, 42.4780)
contains.

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Color

**XYZ(18.2345, 13.4350,
42.7064)**

Conversions

Conversions Part 1

Format	Color
Hex	7356B0
RGB	115, 86, 176
RGB Percent	45%, 34%, 69%
CMY	0.5490, 0.6627, 0.3098
CMYK	0.35, 0.51, 0.00, 0.31
HSL	259°, 36%, 51%
HSV	259°, 51%, 69%
XYZ	18.2345, 13.4350, 42.7064
YIQ	104.9310, -11.6060, 34.1380

Conversions

Conversions Part 2

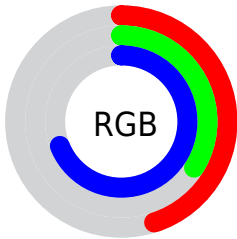
Format	Color
R_{YB}	115, 86, 176
Decimal	7558832
CIE _{Lab}	43.41, 32.29, -43.97
CIE _{LCh}	43, 54.549, 306.294
Yxy	13.4350, 0.2452, 0.1806
Android (android.graphics.Color)	4285748912 (0xFF7356B0)
YUV	104.9310, 35.0370, 8.8305
Hunter-Lab	36.6538, 24.6559, -43.4229

Details

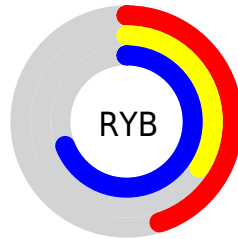
The XYZ color **18.2345, 13.4350, 42.7064** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **29.2377, 37.9257, 14.5839**, and the grayscale version is **13.3196, 14.0132, 15.2604**.

A 20% lighter version of the original color is **39.9472, 31.9806, 80.4113**, and **6.2873, 3.9052, 19.1613** is the 20% darker color. If you saturate the color by 10%, you get **15.5301, 10.2056, 42.2259**, and if you desaturate by 10%, it is **21.4890, 17.4620, 43.3124**.

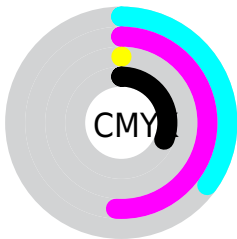
Distribution



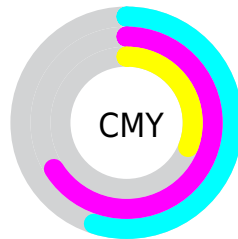
- Red (45%)
- Green (34%)
- Blue (69%)



- Red (45%)
- Yellow (34%)
- Blue (69%)



- Cyan (35%)
- Magenta (51%)
- Yellow (0%)
- Black (31%)



- Cyan (55%)
- Magenta (66%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2345, 13.4350, 42.7064 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 18.2345, 13.4350, 42.7064 by changing the saturation by 10% instead.

■ 18.2345, 13.4350,
42.7064

■ 18.2345, 13.4350,
42.7064

235.2096,
213.6870, 373.2886

■ 11.2192, 7.7288,
29.3251

■ 39.9635, 32.0831,
80.5492

■ 6.2828, 3.9219,
19.0792

■ 55.4078, 45.7938,
105.8478

■ 3.0601, 1.6300,
11.5501

■ 74.3926, 62.9413,
135.9560

■ 1.1856, 0.3777,
6.3194

■ 97.2831, 83.9102,
171.2922

■ 0.0950, 0.0000,
2.9683

■ 124.4447,
109.0849, 212.2751

■ 0.0000, 0.0000,
1.0785

156.2427,

■ 0.0000, 0.0000,

138.8496, 259.3230

0.0000

193.0426,

173.5889, 312.8547

■ 18.2345, 13.4350,
42.7064

■ 18.2345, 13.4350,
42.7064

■ 15.5301, 10.2056,
42.2259

■ 21.4890, 17.4620,
43.3124

■ 13.3405, 7.7165,
41.8608

■ 25.3225, 22.3354,
44.0510

■ 11.6285, 5.9051,
41.6014

■ 29.7638, 28.1016,
44.9299

■ 10.3505, 4.6970,
41.4356

■ 34.8390, 34.8034,
45.9560

■ 9.5076, 3.9961,
41.3447

■ 40.5728, 42.4805,
47.1356

■ 46.9884, 51.1705,
48.4748

■ 54.1081, 60.9090,
49.9793

■ 61.9529, 71.7296,
51.6544

■ 70.5430, 83.6648,
53.5054

Harmonies

Analogous

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



13.6852, 13.4350, 52.3235



18.2345, 13.4350, 42.7064



21.7933, 13.4350, 26.1797

Triad

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



18.2345, 13.4350, 42.7064



16.3394, 13.4350, 1.9680



6.2546, 13.4350, 17.3430

Complementary

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



18.2345, 13.4350, 42.7064



29.2377, 37.9257, 14.5839

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.



6.6604, 13.4350, 7.1006



18.2345, 13.4350, 42.7064



11.8957, 13.4350, 1.5253

Square

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



18.2345, 13.4350, 42.7064



20.5405, 13.4350, 4.6973



8.5227, 13.4350, 2.7203



7.2570, 13.4350, 33.2809

Rectangle

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



18.2345, 13.4350, 42.7064



22.7664, 13.4350, 16.1916



8.5227, 13.4350, 2.7203



6.2347, 13.4350, 13.1692

Sweetspot

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



18.2350, 13.4355, 42.7067



59.2450, 57.8948, 82.5476



22.1862, 26.1367, 44.9500



12.4303, 12.0067, 17.8067



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.2350, 13.4355, 42.7067



27.7575, 18.0334, 76.5131



25.5620, 17.2127, 43.0496



8.2912, 8.3587, 10.6827



7.0310, 2.9604, 30.3378



0.2838, 0.1254, 0.9575

Inverse Universe

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



26.4989, 17.9926, 29.6797



44.7799, 27.4465, 48.4985



22.7417, 34.5769, 14.2799



8.7312, 8.5992, 10.0829



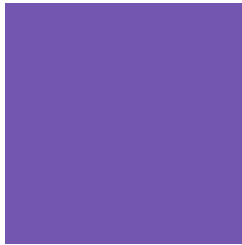
15.6202, 7.7656, 13.6919



0.5167, 0.2544, 0.5639

Previews

White Background



This preview shows how the XYZ color 18.2345, 13.4350, 42.7064 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 18.2345, 13.4350, 42.7064 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 18.2345, 13.4350, 42.7064

Background



This preview shows how black text looks on a background with the XYZ color 18.2345, 13.4350, 42.7064.



This preview shows how white text looks on a background with the XYZ color 18.2345, 13.4350,

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

18.2345, 13.4350, 42.7064

Protanopia

15.5388, 13.7019, 50.5409

Deuteranopia

13.8722, 13.4913, 40.9027



Tritanopia

12.9327, 13.3952, 16.6558

Trichromacy



Original Color

18.2345, 13.4350, 42.7064

Protanomaly

15.9911, 13.3069, 47.6246

Deuteranomaly

14.8781, 13.1443, 41.2881

Tritanomaly

14.4298, 13.1511, 24.3321

Monochromacy



Original Color

18.2345, 13.4350, 42.7064

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.7711, 13.6253, 23.3241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2345, 13.4350, 42.7064 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(115, 86, 176)` looks like.

```
.text, #text, p{  
    color:rgb(115, 86, 176)  
}
```

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(115, 86, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 86, 176) }
```

Border

The CSS property to change the border of an element to XYZ 18.2345, 13.4350, 42.7064 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(115, 86, 176) }
```


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

```
.border{ border-color:rgb(115, 86, 176) }
```

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

Here you see how a box with a 4 pixel rgb(115, 86, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 86, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 86, 176);  
box-shadow:4px 4px 4px 4px rgb(115, 86,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2345, 13.4350, 42.7064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 86, 176) }
```

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

```
.background{ background-color: rgb(115, 86,  
176) }
```

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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