

Converting Colors

XYZ(18.4181, 13.6146, 44.9263)

Have a look what the booklet for
XYZ(18.4181, 13.6146, 44.9263)
contains.

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Color

**XYZ(18.3285, 13.5564,
44.8306)**

Conversions

Conversions Part 1

Format	Color
Hex	7057B4
RGB	112, 87, 180
RGB Percent	44%, 34%, 71%
CMY	0.5608, 0.6588, 0.2941
CMYK	0.38, 0.52, 0.00, 0.29
HSL	256°, 38%, 52%
HSV	256°, 52%, 71%
XYZ	18.3285, 13.5564, 44.8306
YIQ	105.0770, -14.9530, 34.2230

Conversions

Conversions Part 2

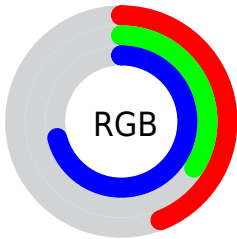
Format	Color
R_{YB}	112, 87, 180
Decimal	7362484
CIE _{Lab}	43.59, 32.01, -46.05
CIE _{LCh}	44, 56.083, 304.810
Yxy	13.5564, 0.2389, 0.1767
Android (android.graphics.Color)	4285552564 (0xFF7057B4)
YUV	105.0770, 36.9370, 6.0715
Hunter-Lab	36.8190, 24.4240, -46.4178

Details

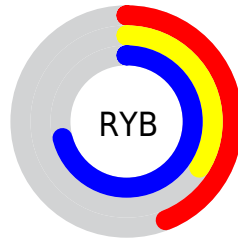
The XYZ color **18.3285, 13.5564, 44.8306** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **31.5590, 40.2993, 15.1323**, and the grayscale version is **13.3546, 14.0501, 15.3005**.

A 20% lighter version of the original color is **40.0223, 32.1629, 83.4555**, and **6.2696, 3.9235, 20.1655** is the 20% darker color. If you saturate the color by 10%, you get **15.4948, 10.1955, 44.3315**, and if you desaturate by 10%, it is **21.7714, 17.7711, 45.4629**.

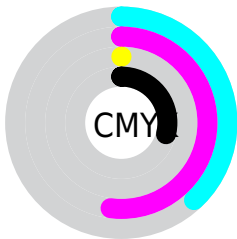
Distribution



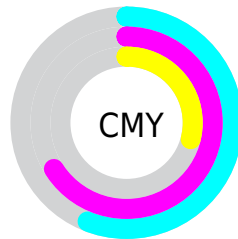
- Red (44%)
- Green (34%)
- Blue (71%)



- Red (44%)
- Yellow (34%)
- Blue (71%)



- Cyan (38%)
- Magenta (52%)
- Yellow (0%)
- Black (29%)



- Cyan (56%)
- Magenta (66%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3285, 13.5564, 44.8306 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 18.3285, 13.5564, 44.8306 by changing the saturation by 10% instead.

■ 18.3285, 13.5564,
44.8306

■ 18.3285, 13.5564,
44.8306

235.7261,
214.4534, 382.2272

■ 11.2872, 7.8128,
30.9820

■ 40.1220, 32.2998,
83.7819

■ 6.3291, 3.9754,
20.3268

■ 55.6049, 46.0684,
109.7217

■ 3.0887, 1.6598,
12.4464

■ 74.6324, 63.2808,
140.5291

■ 1.2009, 0.3974,
6.9222

■ 97.5699, 84.3214,
176.6224

■ 0.1071, 0.0000,
3.3358

■ 124.7826,
109.5746, 218.4204

■ 0.0000, 0.0000,
1.2686

156.6360,

■ 0.0000, 0.0000,

139.4247, 266.3415

0.0358

193.4954,
174.2562, 320.8042

■ 0.0000, 0.0000,
0.0000

■ 18.3285, 13.5564,
44.8306

■ 18.3285, 13.5564,
44.8306

■ 15.4948, 10.1955,
44.3315

■ 21.7714, 17.7711,
45.4629

■ 13.2306, 7.6264,
43.9550

■ 25.8565, 22.8926,
46.2362

■ 11.4936, 5.7809,
43.6903

■ 30.6163, 28.9714,
47.1586

■ 10.2341, 4.5778,
43.5244

■ 36.0804, 36.0537,
48.2376

■ 9.4757, 3.9332,
43.4400

■ 42.2768, 44.1825,
49.4801

■ 49.2318, 53.3986,
50.8924

■ 56.9704, 63.7404,
52.4807

■ 65.5164, 75.2444,
54.2508

■ 74.8928, 87.9456,
56.2082

Harmonies

Analogous

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



13.6057, 13.5564, 54.3247



18.3285, 13.5564, 44.8306



22.1308, 13.5564, 27.6242

Triad

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



18.3285, 13.5564, 44.8306



16.8215, 13.5564, 1.9128



6.1717, 13.5564, 16.8815

Complementary

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



18.3285, 13.5564, 44.8306



31.5590, 40.2993, 15.1323

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.



6.6571, 13.5564, 6.6776



18.3285, 13.5564, 44.8306



12.1902, 13.5564, 1.4001

Square

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



18.3285, 13.5564, 44.8306



21.1313, 13.5564, 4.8152



8.6425, 13.5564, 2.4802



7.1233, 13.5564, 33.3055

Rectangle

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



18.3285, 13.5564, 44.8306



23.2507, 13.5564, 17.0571



8.6425, 13.5564, 2.4802



6.1747, 13.5564, 12.6801

Sweetspot

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



18.3291, 13.5569, 44.8309



61.7134, 60.5473, 86.7288



23.9237, 28.8312, 47.4843



12.8923, 12.5079, 18.6570



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.



18.3291, 13.5569, 44.8309



27.4623, 17.7532, 80.2739



25.8063, 17.4116, 45.1809



8.2492, 8.3370, 10.6807



6.6695, 2.7740, 30.3209



0.2667, 0.1166, 0.9567

Inverse Universe

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



28.1471, 18.8865, 33.1717



47.6204, 28.7262, 54.9597



24.3117, 36.5631, 14.7932



8.7506, 8.6069, 10.1850



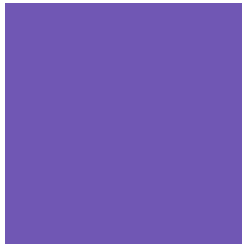
16.0541, 7.9392, 15.9769



0.5279, 0.2589, 0.6225

Previews

White Background



This preview shows how the XYZ color 18.3285, 13.5564, 44.8306 looks on a white background.

Color Contrast Check

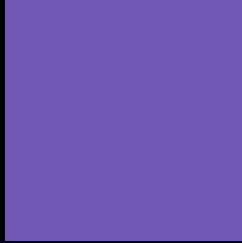
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3285, 13.5564, 44.8306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

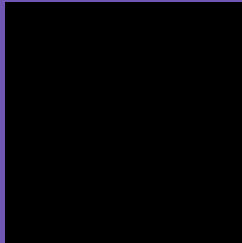
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3285, 13.5564, 44.8306

Background



This preview shows how black text looks on a background with the XYZ color 18.3285, 13.5564, 44.8306.



This preview shows how white text looks on a background with the XYZ color 18.3285, 13.5564,

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

18.3285, 13.5564, 44.8306

Protanopia

15.6510, 13.7215, 52.2757

Deuteranopia

14.0057, 13.6636, 42.9735



Tritanopia

12.8047, 13.6119, 17.2817

Trichromacy



Original Color

18.3285, 13.5564, 44.8306

Protanomaly

15.9933, 13.2711, 49.2956

Deuteranomaly

14.9020, 13.2493, 43.3669

Tritanomaly

14.3625, 13.3663, 25.4899

Monochromacy



Original Color

18.3285, 13.5564, 44.8306

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.7169, 13.5895, 23.6772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3285, 13.5564, 44.8306 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(112, 87, 180)` looks like.

```
.text, #text, p{  
    color:rgb(112, 87, 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(112, 87, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 87, 180) }
```

Border

The CSS property to change the border of an element to XYZ 18.3285, 13.5564, 44.8306 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(112, 87, 180) }
```


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

```
.border{ border-color:rgb(112, 87, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 87, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 87, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 87, 180); box-shadow:4px 4px 4px 4px rgb(112, 87, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3285, 13.5564, 44.8306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 87, 180) }
```

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

```
.background{ background-color: rgb(112, 87,  
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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