

Converting Colors

XYZ(45.1748, 35.6962, 4.8799)

Have a look what the booklet for
XYZ(45.1748, 35.6962, 4.8799)
contains.

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Color

**XYZ(45.0781, 35.6814,
4.8921)**

Conversions

Conversions Part 1

Format	Color
Hex	F2850D
RGB	242, 133, 13
RGB Percent	95%, 52%, 5%
CMY	0.0510, 0.4784, 0.9490
CMYK	0.00, 0.45, 0.95, 0.05
HSL	31°, 90%, 50%
HSV	31°, 95%, 95%
XYZ	45.0781, 35.6814, 4.8921
YIQ	151.9110, 103.4840, -14.2120

Conversions

Conversions Part 2

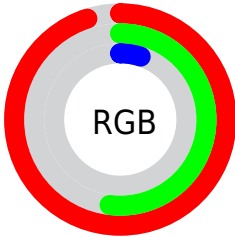
Format	Color
R _Y B	221, 242, 13
Decimal	15893773
CIE Lab	66.28, 35.29, 70.75
CIE LCh	66, 79.065, 63.494
Yxy	35.6814, 0.5263, 0.4166
Android (android.graphics.Color)	4294083853 (0xFFFF2850D)
YUV	151.9110, -68.4831, 79.0081
Hunter-Lab	59.7339, 30.1704, 36.9580

Details

The XYZ color **45.0781, 35.6814, 4.8921** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark saturated orange. A complement of this color would be **23.1525, 20.4155, 86.7239**, and the grayscale version is **30.0631, 31.6287, 34.4436**.

A 20% lighter version of the original color is **60.3855, 57.3507, 15.0949**, and **21.6077, 15.6183, 1.8758** is the 20% darker color. If you saturate the color by 10%, you get **44.1832, 34.0083, 4.2355**, and if you desaturate by 10%, it is **47.0079, 39.1182, 6.8405**.

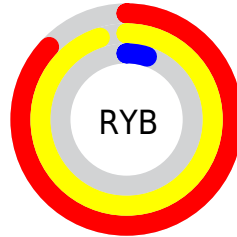
Distribution



Red (95%)

Green (52%)

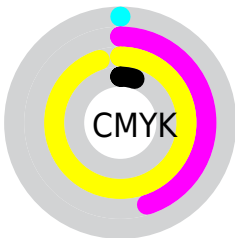
Blue (5%)



Red (87%)

Yellow (95%)

Blue (5%)

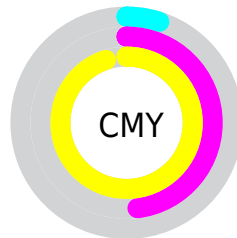


Cyan (0%)

Magenta (45%)

Yellow (95%)

Black (5%)



Cyan (5%)


Magenta (48%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0781, 35.6814, 4.8921 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 45.0781, 35.6814, 4.8921 by changing the saturation by 10% instead.


 45.0781, 35.6814,
4.8921


 45.0781, 35.6814,
4.8921


357.8682,
327.5659, 157.6776


 31.7205, 24.1882,
2.1265


 82.0739, 68.5400,
16.0199

 21.3026, 15.4733,
0.6315


 106.4429, 90.6743,
25.2192


 13.4591, 9.1522,
0.0000


 135.2130,
117.1244, 37.4000


 7.8246, 4.8406,
0.0000

 168.7496,
148.2747, 52.9811

 4.0338, 2.1541,
0.0000

 207.4180,
184.5096, 72.3808


 1.7213, 0.6948,
0.0000

 251.5837,


 0.4695, 0.0000,


226.2135, 96.0178


0.0000


 301.6120,
273.7708, 124.3106


 0.0000, 0.0000,
0.0000

 45.0781, 35.6814,
4.8921


 45.0781, 35.6814,
4.8921


 44.1832, 34.0083,
4.2355

 47.0079, 39.1182,
6.8405

 49.3669, 43.0102,
10.1727

 52.2036, 47.3867,
15.1168

 55.5580, 52.2713,
21.8584

 59.4648, 57.6856,
30.5577

■ 63.9552, 63.6491,
41.3566

■ 69.0579, 70.1804,
54.3839

■ 74.7991, 77.2967,
69.7581

■ 81.2037, 85.0146,
87.5888

Harmonies

Analogous

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



56.5655, 35.6814, 12.8977



45.0781, 35.6814, 4.8921



32.5505, 35.6814, 3.3930

Triad

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



45.0781, 35.6814, 4.8921



15.9378, 35.6814, 42.9457



48.0348, 35.6814, 122.1089

Complementary

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



45.0781, 35.6814, 4.8921



23.1525, 20.4155, 86.7239

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.



35.3152, 35.6814, 146.4554



45.0781, 35.6814, 4.8921



18.2968, 35.6814, 86.8572

Square

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



45.0781, 35.6814, 4.8921



17.3959, 35.6814, 16.4724



24.7646, 35.6814, 130.8016



58.5319, 35.6814, 75.6533

Rectangle

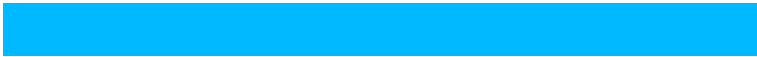
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.0781, 35.6814, 4.8921



25.6514, 35.6814, 4.5384



24.7646, 35.6814, 130.8016



43.7841, 35.6814, 134.0707

Sweetspot

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



45.0789, 35.6833, 4.8927



75.7105, 76.4253, 55.8891



40.3800, 20.6125, 20.8157



15.6770, 15.6806, 10.6187



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.0789, 35.6833, 4.8927



49.7139, 38.2078, 4.7546



67.1457, 81.7415, 12.6198



16.4583, 17.1297, 16.5886



23.8738, 18.5456, 2.3214



2.0857, 1.7420, 0.2263

Inverse Universe

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



23.1525, 20.4155, 86.7239



24.9326, 20.9851, 97.3442



16.3990, 6.8164, 84.4550



15.5179, 16.4698, 20.0827



12.0495, 10.3232, 46.4854



1.1014, 1.0568, 3.9001

Previews

White Background



This preview shows how the XYZ color 45.0781, 35.6814, 4.8921 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.0781, 35.6814, 4.8921 looks on a black 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 ✓ Pass

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

XYZ 45.0781, 35.6814, 4.8921

Background



This preview shows how black text looks on a background with the XYZ color 45.0781, 35.6814, 4.8921.



This preview shows how white text looks on a background with the XYZ color 45.0781, 35.6814,

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

45.0781, 35.6814, 4.8921

Protanopia

32.3766, 35.8517, 6.0778

Deuteranopia

36.2931, 35.6198, 4.9625



Tritanopia

49.3785, 35.6741, 26.1130

Trichromacy



Original Color

45.0781, 35.6814, 4.8921

Protanomaly

36.0947, 35.0211, 5.5192

Deuteranomaly

39.2197, 35.4742, 4.9237

Tritanomaly

47.0487, 35.3125, 13.7874

Monochromacy



Original Color

45.0781, 35.6814, 4.8921

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.4819, 31.5047, 16.6809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0781, 35.6814, 4.8921 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(242, 133, 13)` looks like.

```
.text, #text, p{  
    color:rgb(242, 133, 13)  
}
```

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(242, 133, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 133, 13) }
```

Border

The CSS property to change the border of an element to XYZ 45.0781, 35.6814, 4.8921 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(242, 133, 13) }
```


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

```
.border{ border-color:rgb(242, 133, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 133, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 133, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 133, 13);  
box-shadow:4px 4px 4px 4px rgb(242, 133,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0781, 35.6814, 4.8921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 133, 13) }
```

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

```
.background{ background-color: rgb(242,  
133, 13) }
```

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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