

Converting Colors

XYZ(45.2280, 35.1804, 5.7382)

Have a look what the booklet for
XYZ(45.2280, 35.1804, 5.7382)
contains.

XYZ(45.2055, 35.1242, 5.7636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.2055, 35.1242,
5.7636)**

Conversions

Conversions Part 1

Format	Color
Hex	F38220
RGB	243, 130, 32
RGB Percent	95%, 51%, 13%
CMY	0.0471, 0.4902, 0.8745
CMYK	0.00, 0.46, 0.87, 0.05
HSL	28°, 90%, 54%
HSV	28°, 87%, 95%
XYZ	45.2055, 35.1242, 5.7636
YIQ	152.6150, 98.8060, -6.5220

Conversions

Conversions Part 2

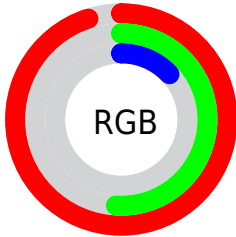
Format	Color
R_{YB}	243, 215, 32
Decimal	15958560
CIE Lab	65.85, 37.51, 66.02
CIE LCh	66, 75.930, 60.396
Yxy	35.1242, 0.5251, 0.4080
Android (android.graphics.Color)	4294148640 (0xFFFF38220)
YUV	152.6150, -59.4632, 79.2676
Hunter-Lab	59.2657, 32.4378, 35.7200

Details

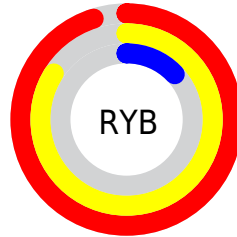
The XYZ color **45.2055, 35.1242, 5.7636** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.8982, 27.0279, 88.5926**, and the grayscale version is **30.3321, 31.9118, 34.7519**.

A 20% lighter version of the original color is **60.1419, 56.2456, 16.9192**, and **21.6184, 15.2953, 1.8129** is the 20% darker color. If you saturate the color by 10%, you get **43.3647, 31.7927, 4.0723**, and if you desaturate by 10%, it is **47.5087, 38.9941, 8.8032**.

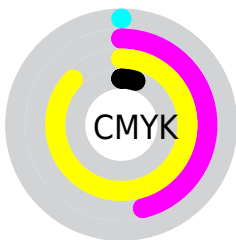
Distribution



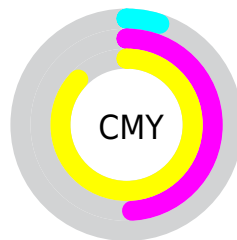
- Red (95%)
- Green (51%)
- Blue (13%)



- Red (95%)
- Yellow (84%)
- Blue (13%)



- Cyan (0%)
- Magenta (46%)
- Yellow (87%)
- Black (5%)





- Cyan (5%)
- Magenta (49%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2055, 35.1242, 5.7636 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 45.2055, 35.1242, 5.7636 by changing the saturation by 10% instead.


 45.2055, 35.1242,
5.7636


 45.2055, 35.1242,
5.7636


358.3749,
325.1162, 166.1745

 31.8213, 23.7586,
2.6354


 82.2639, 67.6781,
17.9073


 21.3799, 15.1546,
0.9107


 106.6687, 89.6352,
27.7600

 13.5160, 8.9280,
0.0000


 135.4779,
115.8916, 40.6912

 7.8643, 4.6942,
0.0000

 169.0566,
146.8316, 57.1195

 4.0593, 2.0690,
0.0000

 207.7703,
182.8397, 77.4634

 1.7357, 0.6471,
0.0000

 251.9844,

 0.4785, 0.0000,

224.3002, 102.1416

0.0000

302.0641,
271.5976, 131.5724

■ 0.0000, 0.0000,
0.0000

■ 45.2055, 35.1242,
5.7636

■ 45.2055, 35.1242,
5.7636

■ 43.3647, 31.7927,
4.0723

■ 47.5087, 38.9941,
8.8032

■ 42.8523, 30.8354,
3.6933

■ 50.3264, 43.4309,
13.4376

■ 53.7034, 48.4658,
19.8632

■ 57.6781, 54.1254,
28.2474

■ 62.2848, 60.4340,
38.7380

67.5550, 67.4147,
51.4683

73.5175, 75.0890,
66.5606

80.1996, 83.4773,
84.1283

87.6269, 92.5991,
104.2773

Harmonies

Analogous

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



55.6430, 35.1242, 14.7401



45.2055, 35.1242, 5.7636



33.2356, 35.1242, 3.7697

Triad

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



45.2055, 35.1242, 5.7636



16.1353, 35.1242, 38.6730



45.5224, 35.1242, 120.0311

Complementary

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



45.2055, 35.1242, 5.7636



26.8982, 27.0279, 88.5926

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.



33.5339, 35.1242, 139.1525



45.2055, 35.1242, 5.7636



18.0295, 35.1242, 78.7573

Square

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



45.2055, 35.1242, 5.7636



17.9308, 35.1242, 15.1354



23.8279, 35.1242, 120.9490



55.8530, 35.1242, 77.5659

Rectangle

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



45.2055, 35.1242, 5.7636



26.4213, 35.1242, 4.6570



23.8279, 35.1242, 120.9490



41.4747, 35.1242, 130.1988

Sweetspot

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



45.2063, 35.1261, 5.7642



75.8536, 75.8428, 58.6148



42.8279, 22.2276, 30.0715



15.7760, 15.6316, 11.4128



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.



45.2063, 35.1261, 5.7642



47.7707, 34.3213, 4.1069



66.2060, 77.1255, 12.7641



17.1336, 17.7512, 17.3209



23.6510, 17.1876, 2.0710



2.1805, 1.7141, 0.2159

Inverse Universe

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



26.8982, 27.0279, 88.5926



26.9329, 24.9858, 98.0110



17.6211, 8.4737, 85.5003



16.3161, 17.3966, 21.0405



13.4061, 12.6060, 48.2646



1.2811, 1.3136, 4.2763

Previews

White Background



This preview shows how the XYZ color 45.2055, 35.1242, 5.7636 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 45.2055, 35.1242, 5.7636 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 45.2055, 35.1242, 5.7636

Background



This preview shows how black text looks on a background with the XYZ color 45.2055, 35.1242, 5.7636.



This preview shows how white text looks on a background with the XYZ color 45.2055, 35.1242,

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

45.2055, 35.1242, 5.7636

Protanopia

31.9503, 35.3462, 7.1460

Deuteranopia

35.9431, 35.1875, 5.3494



Tritanopia

49.2244, 35.0606, 25.2921

Trichromacy



Original Color

45.2055, 35.1242, 5.7636

Protanomaly

35.8689, 34.6428, 6.5465

Deuteranomaly

39.0221, 34.9061, 5.3903

Tritanomaly

47.2341, 34.8163, 14.8204

Monochromacy



Original Color

45.2055, 35.1242, 5.7636

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.1354, 31.7940, 18.8584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2055, 35.1242, 5.7636 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(243, 130, 32)` looks like.

```
.text, #text, p{  
    color:rgb(243, 130, 32)  
}
```

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(243, 130, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 130, 32) }
```

Border

The CSS property to change the border of an element to XYZ 45.2055, 35.1242, 5.7636 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(243, 130, 32) }
```


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

```
.border{ border-color:rgb(243, 130, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 130, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 130, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 130, 32);  
box-shadow:4px 4px 4px 4px rgb(243, 130,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2055, 35.1242, 5.7636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 130, 32) }
```

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

```
.background{ background-color: rgb(243,  
130, 32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor