

Converting Colors

XYZ(70.1944, 54.6515, 11.1407)

Have a look what the booklet for
XYZ(70.1944, 54.6515, 11.1407)
contains.

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Color

**XYZ(54.6264, 46.7279,
10.4152)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA03C
RGB	255, 160, 60
RGB Percent	100%, 63%, 24%
CMY	0.0000, 0.3725, 0.7647
CMYK	0.00, 0.37, 0.76, 0.00
HSL	31°, 100%, 62%
HSV	31°, 76%, 100%
XYZ	54.6264, 46.7279, 10.4152
YIQ	177.0050, 88.7200, -10.9600

Conversions

Conversions Part 2

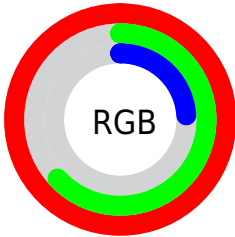
Format	Color
R _Y B	245, 255, 60
Decimal	16752700
CIE Lab	74.02, 27.71, 63.73
CIE LCh	74, 69.496, 66.498
Yxy	46.7279, 0.4887, 0.4181
Android (android.graphics.Color)	4294942780 (0xFFFFA03C)
YUV	177.0050, -57.6835, 68.4016
Hunter-Lab	68.3578, 23.0176, 38.8169

Details

The XYZ color **54.6264, 46.7279, 10.4152** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **31.6340, 31.6216, 99.0432**, and the grayscale version is **42.0548, 44.2449, 48.1827**.

A 20% lighter version of the original color is **68.5777, 71.0758, 26.0242**, and **27.3549, 22.0626, 2.8167** is the 20% darker color. If you saturate the color by 10%, you get **52.0607, 42.4282, 6.9973**, and if you desaturate by 10%, it is **57.7338, 51.5926, 15.6149**.

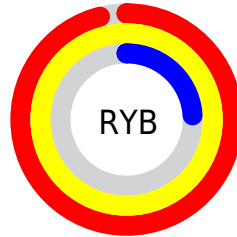
Distribution



Red (100%)

Green (63%)

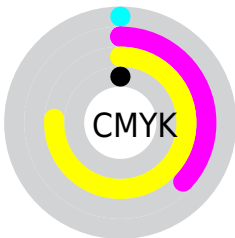
Blue (24%)



Red (96%)

Yellow (100%)

Blue (24%)

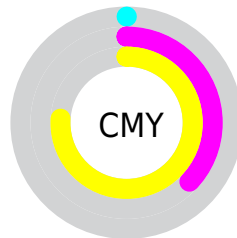


Cyan (0%)

Magenta (37%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6264, 46.7279, 10.4152 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 54.6264, 46.7279, 10.4152 by changing the saturation by 10% instead.

54.6264, 46.7279,
10.4152

54.6264, 46.7279,
10.4152

394.6537,
373.7274, 204.2016

39.3353, 32.8206,
5.5659

96.1449, 85.3073,
27.1935

27.2026, 21.9891,
2.5185

123.1030,
110.7482, 39.9596

17.8628, 13.8489,
0.8499

154.6809,
140.8025, 56.2017

10.9506, 8.0156,
0.0000

191.2438,
175.8544, 76.3384

6.1007, 4.1049,
0.0000

233.1572,
216.2885, 100.7882

2.9476, 1.7324,
0.0000

280.7864,

1.1261, 0.4445,

262.4891, 129.9696

0.0000

334.4968,
314.8406, 164.3012

■ 0.0468, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.6264, 46.7279,
10.4152

■ 54.6264, 46.7279,
10.4152

■ 52.0607, 42.4282,
6.9973

■ 57.7338, 51.5926,
15.6149

■ 49.9757, 38.6531,
5.0853

■ 61.4270, 57.0436,
22.8127

■ 49.3261, 37.4327,
4.6255

■ 65.7480, 63.1088,
32.1963

■ 70.7331, 69.8119,
43.9307

76.4159, 77.1747,
58.1649

82.8272, 85.2180,
75.0357

89.9956, 93.9612,
94.6695

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



66.4933, 46.7279, 20.0915



54.6264, 46.7279, 10.4152



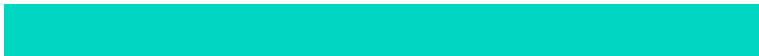
41.7669, 46.7279, 8.7020

Triad

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



54.6264, 46.7279, 10.4152



24.6709, 46.7279, 59.0127



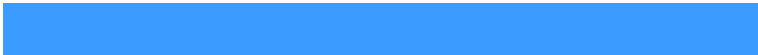
60.1747, 46.7279, 127.9738

Complementary

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



54.6264, 46.7279, 10.4152



31.6340, 31.6216, 99.0432

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.



47.1695, 46.7279, 153.4833



54.6264, 46.7279, 10.4152



27.8584, 46.7279, 103.3219

Square

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



54.6264, 46.7279, 10.4152



25.9258, 46.7279, 28.2002



35.5601, 46.7279, 142.8201



70.0910, 46.7279, 83.2914

Rectangle

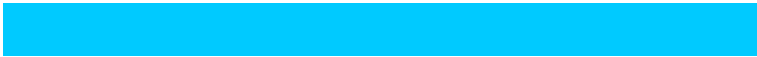
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.6264, 46.7279, 10.4152



34.5937, 46.7279, 10.9487



35.5601, 46.7279, 142.8201



55.9352, 46.7279, 139.8352

Sweetspot

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



54.6275, 46.7303, 10.4161



78.5568, 79.8877, 63.7132



48.9844, 26.9433, 34.7419



16.3378, 16.4951, 12.4022



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.



54.6275, 46.7303, 10.4161



50.8528, 40.2779, 5.7748



77.8150, 93.1055, 18.1453



18.7797, 19.5276, 18.9237



25.9243, 19.8598, 2.4670



2.6335, 2.1525, 0.2767

Inverse Universe

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



31.6340, 31.6216, 99.0432



26.9667, 24.6130, 97.9372



21.5295, 11.4127, 95.6751



17.7335, 18.8386, 22.9515



13.3605, 11.6306, 50.9753



1.4098, 1.3502, 4.9996

Previews

White Background



This preview shows how the XYZ color 54.6264, 46.7279, 10.4152 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 54.6264, 46.7279, 10.4152 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 54.6264, 46.7279, 10.4152

Background



This preview shows how black text looks on a background with the XYZ color 54.6264, 46.7279, 10.4152.



This preview shows how white text looks on a background with the XYZ color 54.6264, 46.7279,

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

54.6264, 46.7279, 10.4152

Protanopia

42.8187, 47.0977, 11.9882

Deuteranopia

47.9705, 46.8307, 10.2523



Tritanopia

59.2421, 46.6868, 40.5394

Trichromacy



Original Color

54.6264, 46.7279, 10.4152

Protanomaly

46.6868, 46.7181, 11.4073

Deuteranomaly

50.0010, 46.4778, 10.2067

Tritanomaly

56.8944, 46.5433, 25.7238

Monochromacy



Original Color

54.6264, 46.7279, 10.4152

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.0428, 43.8262, 28.6922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.6264, 46.7279, 10.4152 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(255, 160, 60)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 60)  
}
```

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(255, 160, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 60) }
```

Border

The CSS property to change the border of an element to XYZ 54.6264, 46.7279, 10.4152 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(255, 160, 60) }
```


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

```
.border{ border-color:rgb(255, 160, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 60);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 54.6264, 46.7279, 10.4152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 60) }
```

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

```
.background{ background-color: rgb(255,  
160, 60) }
```

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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