

Converting Colors

XYZ(54.1745, 44.7658, 13.5270)

Have a look what the booklet for
XYZ(54.1745, 44.7658, 13.5270)
contains.

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Color

**XYZ(54.1164, 44.6365,
13.5480)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9951
RGB	255, 153, 81
RGB Percent	100%, 60%, 32%
CMY	0.0000, 0.4000, 0.6823
CMYK	0.00, 0.40, 0.68, 0.00
HSL	25°, 100%, 66%
HSV	25°, 68%, 100%
XYZ	54.1164, 44.6365, 13.5480
YIQ	175.2900, 83.9040, -0.7680

Conversions

Conversions Part 2

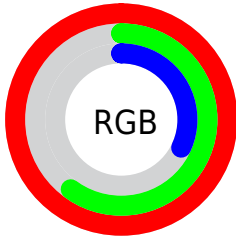
Format	Color
R _Y B	255, 204, 81
Decimal	16750929
CIE Lab	72.65, 32.29, 53.00
CIE LCh	73, 62.064, 58.647
Yxy	44.6365, 0.4819, 0.3975
Android (android.graphics.Color)	4294941009 (0xFFFF9951)
YUV	175.2900, -46.4850, 69.9057
Hunter-Lab	66.8106, 27.6661, 34.7444

Details

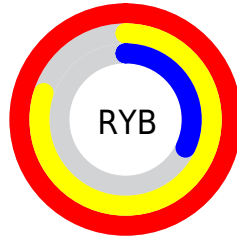
The XYZ color **54.1164, 44.6365, 13.5480** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **38.3756, 42.8338, 100.8523**, and the grayscale version is **41.1019, 43.2424, 47.0910**.

A 20% lighter version of the original color is **68.0295, 68.0652, 31.7427**, and **26.8803, 20.7386, 3.8145** is the 20% darker color. If you saturate the color by 10%, you get **51.0385, 39.7347, 8.6574**, and if you desaturate by 10%, it is **57.8617, 50.2994, 20.4320**.

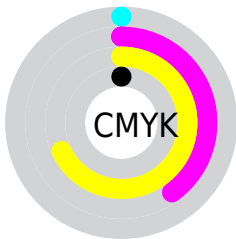
Distribution



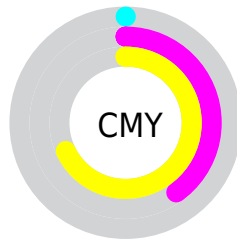
- Red (100%)
- Green (60%)
- Blue (32%)



- Red (100%)
- Yellow (80%)
- Blue (32%)



- Cyan (0%)
- Magenta (40%)
- Yellow (68%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.1164, 44.6365, 13.5480 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 54.1164, 44.6365, 13.5480 by changing the saturation by 10% instead.


 54.1164, 44.6365,
13.5480


 54.1164, 44.6365,
13.5480


392.7448,
365.2994, 225.7303

 38.9258, 31.1712,
7.6718


 95.4010, 82.1747,
32.9903

 26.8825, 20.7293,
3.8009


 122.2257,
107.0163, 47.3936


 17.6211, 12.9262,
1.5168


 153.6592,
136.4189, 65.4763

 10.7763, 7.3778,
0.2304

 190.0667,
170.7668, 87.6570

 5.9828, 3.6995,
0.0000

 231.8137,
210.4444, 114.3542

 2.8752, 1.5069,
0.0000

279.2655,

 1.0881, 0.2936,

255.8361, 145.9864

0.0000

332.7874,
307.3263, 182.9723

■ 0.0151, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.1164, 44.6365,
13.5480

■ 54.1164, 44.6365,
13.5480

■ 51.0385, 39.7347,
8.6574

■ 57.8617, 50.2994,
20.4320

■ 48.5710, 35.5475,
5.5298

■ 62.3180, 56.7524,
29.5002

■ 46.6444, 32.0298,
3.8532

■ 67.5281, 64.0306,
40.9234

■ 46.3451, 31.4706,
3.6318

■ 73.5302, 72.1650,
54.8544

80.3597, 81.1846,
71.4333

88.0494, 91.1169,
90.7896

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



63.2764, 44.6365, 25.3854



54.1164, 44.6365, 13.5480



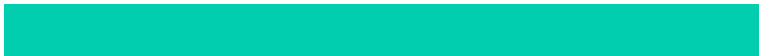
42.9158, 44.6365, 10.1894

Triad

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



54.1164, 44.6365, 13.5480



24.9332, 44.6365, 47.2166



53.1278, 44.6365, 121.2727

Complementary

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



54.1164, 44.6365, 13.5480



38.3756, 42.8338, 100.8523

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.



41.9393, 44.6365, 135.0666



54.1164, 44.6365, 13.5480



26.7468, 44.6365, 82.8679

Square

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



54.1164, 44.6365, 13.5480



27.1074, 44.6365, 23.8467



32.5529, 44.6365, 118.7183



62.6411, 44.6365, 86.3729

Rectangle

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



54.1164, 44.6365, 13.5480



36.1534, 44.6365, 11.3197



32.5529, 44.6365, 118.7183



49.3844, 44.6365, 129.0481

Sweetspot

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



54.1174, 44.6388, 13.5488



79.0928, 79.5270, 68.3084



52.9816, 30.6647, 49.2473



16.5090, 16.4696, 13.5937



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.



54.1174, 44.6388, 13.5488



50.0411, 38.0764, 7.2865



73.1831, 82.7701, 19.9040



18.6268, 19.2218, 18.8728



24.3552, 16.7217, 1.9440



2.4760, 1.8374, 0.2242

Inverse Universe

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



38.3756, 42.8338, 100.8523



33.2614, 35.9769, 99.7989



25.8487, 17.7801, 96.6766



17.8879, 19.1473, 23.0030



15.2373, 15.3841, 51.6009



1.5914, 1.7135, 5.0601

Previews

White Background



This preview shows how the XYZ color 54.1164, 44.6365, 13.5480 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 54.1164, 44.6365, 13.5480 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 54.1164, 44.6365, 13.5480

Background



This preview shows how black text looks on a background with the XYZ color 54.1164, 44.6365, 13.5480.



This preview shows how white text looks on a background with the XYZ color 54.1164, 44.6365,

13.5480.

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

54.1164, 44.6365, 13.5480

Protanopia

41.2120, 44.9672, 15.9586

Deuteranopia

45.8385, 44.8149, 13.2554



Tritanopia

57.7595, 44.5618, 37.4553

Trichromacy



Original Color

54.1164, 44.6365, 13.5480

Protanomaly

45.2679, 44.4814, 15.0040

Deuteranomaly

48.5823, 44.5934, 13.2546

Tritanomaly

55.9499, 44.3399, 26.3784

Monochromacy



Original Color

54.1164, 44.6365, 13.5480

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.5283, 42.3979, 31.0887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.1164, 44.6365, 13.5480 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, 153, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 81)  
}
```

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, 153, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 81) }
```

Border

The CSS property to change the border of an element to XYZ 54.1164, 44.6365, 13.5480 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, 153, 81) }
```


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

```
.border{ border-color:rgb(255, 153, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 54.1164, 44.6365, 13.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 81) }
```

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

```
.background{ background-color: rgb(255,  
153, 81) }
```

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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