

Converting Colors

XYZ(53.9936, 45.8111, 9.1286)

Have a look what the booklet for
XYZ(53.9936, 45.8111, 9.1286)
contains.

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Color

**XYZ(54.0644, 45.9527,
9.1522)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9E33
RGB	255, 158, 51
RGB Percent	100%, 62%, 20%
CMY	0.0000, 0.3804, 0.8000
CMYK	0.00, 0.38, 0.80, 0.00
HSL	31°, 100%, 60%
HSV	31°, 80%, 100%
XYZ	54.0644, 45.9527, 9.1522
YIQ	174.8050, 92.1590, -12.7130

Conversions

Conversions Part 2

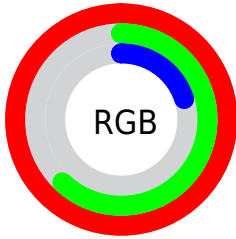
Format	Color
R_{YB}	236, 255, 51
Decimal	16752179
CIE _{Lab}	73.51, 28.44, 66.73
CIE _{LCh}	74, 72.535, 66.915
Yxy	45.9527, 0.4952, 0.4209
Android (android.graphics.Color)	4294942259 (0xFFFF9E33)
YUV	174.8050, -61.0359, 70.3310
Hunter-Lab	67.7884, 23.7323, 39.4471

Details

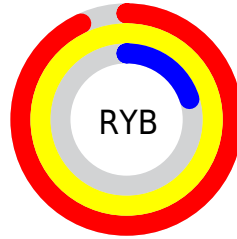
The XYZ color **54.0644, 45.9527, 9.1522** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **30.0045, 29.1023, 98.6430**, and the grayscale version is **40.9203, 43.0513, 46.8829**.

A 20% lighter version of the original color is **67.6358, 69.8891, 23.5608**, and **26.8923, 21.5145, 2.7353** is the 20% darker color. If you saturate the color by 10%, you get **51.6815, 41.8540, 6.3032**, and if you desaturate by 10%, it is **56.9612, 50.5875, 13.6918**.

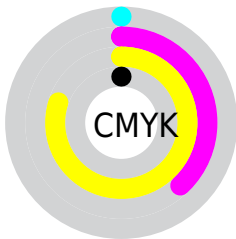
Distribution



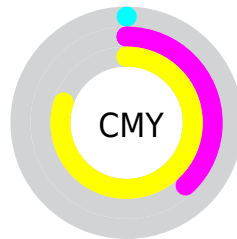
- Red (100%)
- Green (62%)
- Blue (20%)



- Red (93%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (38%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.0644, 45.9527, 9.1522 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 54.0644, 45.9527, 9.1522 by changing the saturation by 10% instead.


 54.0644, 45.9527,
9.1522


 54.0644, 45.9527,
9.1522


392.5499,
370.6185, 194.7690


 38.8840, 32.2085,
4.7424

 95.3251, 84.1482,
24.7706


 26.8498, 21.5208,
2.0409


 122.1362,
109.3683, 36.8162


 17.5965, 13.5052,
0.5802


 153.5549,
139.1825, 52.2443

 10.7586, 7.7774,
0.0000

 189.9465,
173.9751, 71.4732

 5.9708, 3.9528,
0.0000

 231.6765,
214.1307, 94.9216

 2.8679, 1.6472,
0.0000

 279.1101,

 1.0843, 0.3891,

260.0335, 123.0080

0.0000

332.6128,
312.0679, 156.1509

■ 0.0119, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.0644, 45.9527,
9.1522

■ 54.0644, 45.9527,
9.1522

■ 51.6815, 41.8540,
6.3032

■ 56.9612, 50.5875,
13.6918

■ 49.7315, 38.2435,
4.7607

■ 60.4185, 55.7800,
20.1535

■ 49.7313, 38.2430,
4.7605

■ 64.4798, 61.5582,
28.7346

■ 69.1826, 67.9456,
39.6069

74.5609, 74.9638,
52.9245

80.6459, 82.6330,
68.8280

87.4667, 90.9726,
87.4470

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.



66.4795, 45.9527, 18.4983



54.0644, 45.9527, 9.1522



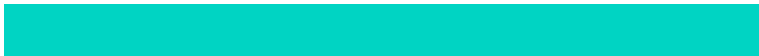
40.7776, 45.9527, 7.5950

Triad

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



54.0644, 45.9527, 9.1522



23.5030, 45.9527, 59.0178



60.2051, 45.9527, 130.2866

Complementary

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



54.0644, 45.9527, 9.1522



30.0045, 29.1023, 98.6430

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.



46.7100, 45.9527, 157.8231



54.0644, 45.9527, 9.1522



26.7941, 45.9527, 105.4928

Square

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



54.0644, 45.9527, 9.1522



24.7095, 45.9527, 27.1581



34.7128, 45.9527, 147.0326



70.4814, 45.9527, 83.1057

Rectangle

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



54.0644, 45.9527, 9.1522



33.4483, 45.9527, 9.8094



34.7128, 45.9527, 147.0326



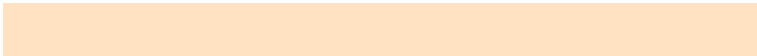
55.8028, 45.9527, 142.9824

Sweetspot

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



54.0654, 45.9551, 9.1530



78.1248, 79.4854, 62.1458



47.8967, 25.8170, 31.1449



16.2622, 16.4322, 12.1051



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.



54.0654, 45.9551, 9.1530



50.4717, 39.6340, 5.2829



76.3573, 92.3793, 16.9389



18.7979, 19.5640, 18.9298



26.1365, 20.2843, 2.5377



2.6543, 2.1939, 0.2836

Inverse Universe

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



30.0045, 29.1023, 98.6430



25.7146, 22.3596, 97.5683



20.7769, 10.3834, 95.5162



17.7154, 18.8024, 22.9455



13.1668, 11.2431, 50.9108



1.3905, 1.3117, 4.9932

Previews

White Background



This preview shows how the XYZ color 54.0644, 45.9527, 9.1522 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 54.0644, 45.9527, 9.1522 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 54.0644, 45.9527, 9.1522

Background



This preview shows how black text looks on a background with the XYZ color 54.0644, 45.9527, 9.1522.



This preview shows how white text looks on a background with the XYZ color 54.0644, 45.9527,

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

54.0644, 45.9527, 9.1522

Protanopia

41.8910, 46.0397, 10.5495

Deuteranopia

47.2211, 46.1885, 8.9091



Tritanopia

58.7396, 45.9664, 39.4947

Trichromacy



Original Color

54.0644, 45.9527, 9.1522

Protanomaly

45.7574, 45.6926, 10.0223

Deuteranomaly

49.5917, 46.0198, 8.9583

Tritanomaly

56.2468, 45.7517, 23.9556

Monochromacy



Original Color

54.0644, 45.9527, 9.1522

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.1191, 42.8250, 27.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.0644, 45.9527, 9.1522 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, 158, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 51)  
}
```

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, 158, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 51) }
```

Border

The CSS property to change the border of an element to XYZ 54.0644, 45.9527, 9.1522 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, 158, 51) }
```


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

```
.border{ border-color:rgb(255, 158, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 54.0644, 45.9527, 9.1522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 51) }
```

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

```
.background{ background-color: rgb(255,  
158, 51) }
```

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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