

Converting Colors

XYZ(53.0404, 46.7632, 17.7677)

Have a look what the booklet for
XYZ(53.0404, 46.7632, 17.7677)
contains.

XYZ(53.1363, 46.8452, 17.7967)	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(53.1363, 46.8452,
17.7967)**

Conversions

Conversions Part 1

Format	Color
Hex	F5A462
RGB	245, 164, 98
RGB Percent	96%, 64%, 38%
CMY	0.0392, 0.3568, 0.6157
CMYK	0.00, 0.33, 0.60, 0.04
HSL	27°, 88%, 67%
HSV	27°, 60%, 96%
XYZ	53.1363, 46.8452, 17.7967
YIQ	180.6950, 69.4620, -3.3540

Conversions

Conversions Part 2

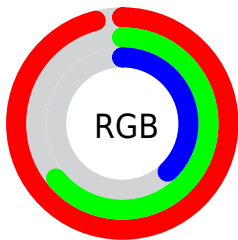
Format	Color
R _Y B	245, 218, 98
Decimal	16098402
CIE Lab	74.09, 23.57, 45.98
CIE LCh	74, 51.669, 62.854
Yxy	46.8452, 0.4512, 0.3977
Android (android.graphics.Color)	4294288482 (0xFFFF5A462)
YUV	180.6950, -40.7686, 56.3955
Hunter-Lab	68.4436, 18.8026, 32.4939

Details

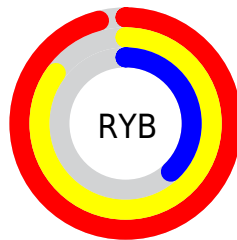
The XYZ color **53.1363, 46.8452, 17.7967** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **37.6377, 41.4276, 92.3986**, and the grayscale version is **43.9442, 46.2327, 50.3474**.

A 20% lighter version of the original color is **72.0765, 74.1250, 39.3629**, and **26.3353, 22.1160, 5.6771** is the 20% darker color. If you saturate the color by 10%, you get **49.8629, 41.8752, 11.8456**, and if you desaturate by 10%, it is **57.0223, 52.4744, 25.6990**.

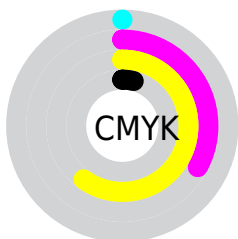
Distribution



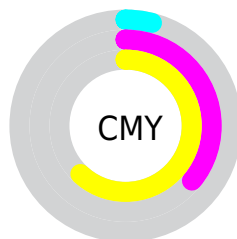
- Red (96%)
- Green (64%)
- Blue (38%)



- Red (96%)
- Yellow (85%)
- Blue (38%)



- Cyan (0%)
- Magenta (33%)
- Yellow (60%)
- Black (4%)





- Cyan (4%)
- Magenta (36%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1363, 46.8452, 17.7967 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 53.1363, 46.8452, 17.7967 by changing the saturation by 10% instead.


 53.1363, 46.8452,
17.7967


 53.1363, 46.8452,
17.7967


389.0601,
374.1963, 251.9202


 38.1395, 32.9133,
10.6362


 93.9692, 85.4825,
40.4999


 26.2687, 22.0600,
5.7117


 120.5361,
110.9567, 56.8796

 17.1585, 13.9010,
2.6046


 151.6904,
141.0471, 77.1695

 10.4436, 8.0519,
0.8948

 187.7974,
176.1381, 101.7880

 5.7585, 4.1281,
0.0000

229.2225,
216.6142, 131.1539

 2.7381, 1.7455,
0.0000

276.3311,

 1.0168, 0.4529,

262.8596, 165.6855

0.0000

329.4885,
315.2589, 205.8014

■ 0.0000, 0.0000,
0.0000

■ 53.1363, 46.8452,
17.7967

■ 53.1363, 46.8452,
17.7967

■ 49.8629, 41.8752,
11.8456

■ 57.0223, 52.4744,
25.6990

■ 47.1574, 37.5279,
7.6641

■ 61.5545, 58.7827,
35.7065

■ 44.9725, 33.7731,
5.0403

■ 66.7675, 65.7974,
47.9605

■ 43.2331, 30.5665,
3.6213

■ 72.6922, 73.5423,
62.5894

■ 43.2330, 30.5663,
3.6212

■ 79.3575, 82.0395,
79.7117

86.7904, 91.3104,
99.4379

91.4661, 98.1524,
108.7323

Harmonies

Analogous

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



61.1863, 46.8452, 28.0760



53.1363, 46.8452, 17.7967



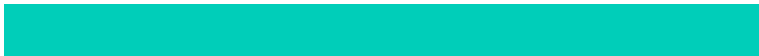
43.6458, 46.8452, 15.1882

Triad

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



53.1363, 46.8452, 17.7967



29.0284, 46.8452, 53.5833



54.8797, 46.8452, 106.8275

Complementary

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



53.1363, 46.8452, 17.7967



37.6377, 41.4276, 92.3986

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.



45.4158, 46.8452, 120.6044



53.1363, 46.8452, 17.7967



31.2013, 46.8452, 83.9033

Square

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



53.1363, 46.8452, 17.7967



30.5082, 46.8452, 31.1290



36.8982, 46.8452, 111.0305



62.2868, 46.8452, 77.9333

Rectangle

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



53.1363, 46.8452, 17.7967



37.9727, 46.8452, 17.0102



36.8982, 46.8452, 111.0305



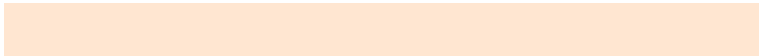
51.7907, 46.8452, 113.7582

Sweetspot

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



53.1374, 46.8476, 17.7976



80.9772, 82.3007, 72.0042



50.3953, 31.4967, 47.3013



16.8999, 17.0583, 14.3193



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.



53.1374, 46.8476, 17.7976



53.9194, 44.7784, 11.8300



69.6264, 79.8255, 23.2939



17.1118, 17.7077, 17.3136



23.4243, 16.7343, 1.9954



2.1598, 1.6729, 0.2091

Inverse Universe

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



37.6377, 41.4276, 92.3986



35.5374, 38.2936, 100.1261



26.8603, 19.8727, 88.8061



16.3381, 17.4406, 21.0478



13.6860, 13.1658, 48.3580



1.3054, 1.3622, 4.2844

Previews

White Background



This preview shows how the XYZ color 53.1363, 46.8452, 17.7967 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 53.1363, 46.8452, 17.7967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

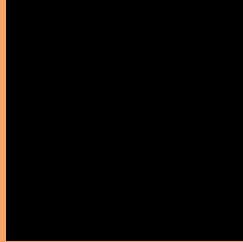
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.1363, 46.8452, 17.7967

Background



This preview shows how black text looks on a background with the XYZ color 53.1363, 46.8452, 17.7967.



This preview shows how white text looks on a background with the XYZ color 53.1363, 46.8452,

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

53.1363, 46.8452, 17.7967

Protanopia

43.3027, 47.1663, 20.1863

Deuteranopia

47.9878, 46.9639, 17.6020



Tritanopia

58.2879, 46.8909, 42.5380

Trichromacy



Original Color

53.1363, 46.8452, 17.7967

Protanomaly

46.2425, 46.6089, 19.1295

Deuteranomaly

49.8111, 46.7683, 17.7111

Tritanomaly

55.9920, 46.7057, 31.6552

Monochromacy



Original Color

53.1363, 46.8452, 17.7967

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.8177, 45.7317, 35.6904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1363, 46.8452, 17.7967 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(245, 164, 98)` looks like.

```
.text, #text, p{  
    color:rgb(245, 164, 98)  
}
```

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(245, 164, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 164, 98) }
```

Border

The CSS property to change the border of an element to XYZ 53.1363, 46.8452, 17.7967 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(245, 164, 98) }
```


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

```
.border{ border-color:rgb(245, 164, 98) }
```

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

Here you see how a box with a 4 pixel rgb(245, 164, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 164, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 164, 98);  
box-shadow:4px 4px 4px 4px rgb(245, 164,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1363, 46.8452, 17.7967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 164, 98) }
```

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

```
.background{ background-color: rgb(245,  
164, 98) }
```

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