

# Converting Colors

XYZ(60.6513, 54.9673, 24.1702)

Have a look what the booklet for  
XYZ(60.6513, 54.9673, 24.1702)  
contains.

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# **Color**

**XYZ(60.5710, 54.7846,  
24.2117)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB375
RGB	255, 179, 117
RGB Percent	100%, 70%, 46%
CMY	0.0000, 0.2980, 0.5412
CMYK	0.00, 0.30, 0.54, 0.00
HSL	27°, 100%, 73%
HSV	27°, 54%, 100%
XYZ	60.5710, 54.7846, 24.2117
YIQ	194.6560, 65.1980, -3.1700

# Conversions

## Conversions Part 2

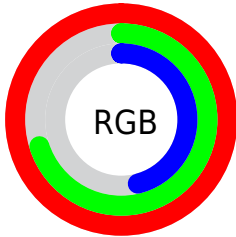
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 230, 117
Decimal	16757621
CIE <sub>Lab</sub>	78.92, 21.15, 42.48
CIE <sub>LCh</sub>	79, 47.456, 63.535
Yxy	54.7846, 0.4340, 0.3925
Android (android.graphics.Color)	4294947701 (0xFFFFB375)
YUV	194.6560, -38.2844, 52.9217
Hunter-Lab	74.0166, 16.5452, 32.4172

# Details

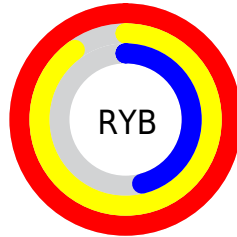
The XYZ color **60.5710, 54.7846, 24.2117** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.4551, 49.1395, 101.7492**, and the grayscale version is **51.8617, 54.5625, 59.4186**.

A 20% lighter version of the original color is **78.2040, 83.5789, 50.0408**, and **30.9797, 26.9291, 8.8752** is the 20% darker color. If you saturate the color by 10%, you get **56.5986, 48.9215, 16.4712**, and if you desaturate by 10%, it is **65.2410, 61.3897, 34.2001**.

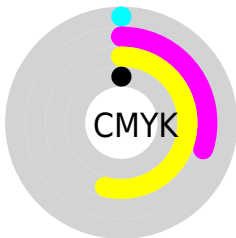
# Distribution



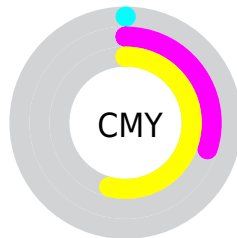
- Red (100%)
- Green (70%)
- Blue (46%)



- Red (100%)
- Yellow (90%)
- Blue (46%)



- Cyan (0%)
- Magenta (30%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.5710, 54.7846, 24.2117 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 60.5710, 54.7846, 24.2117 by changing the saturation by 10% instead.





 60.5710, 54.7846,  
24.2117


 60.5710, 54.7846,  
24.2117


416.5004,  
405.0949, 287.2100

 44.1303, 39.2293,  
15.2771


 104.7592, 97.2253,  
51.3236

 30.9713, 26.9381,  
8.8653


 133.2373,  
124.8795, 70.3380

 20.7287, 17.5268,  
4.5578


 166.4586,  
157.3354, 93.5493

 13.0372, 10.6108,  
1.9361

204.7885,  
194.9774, 121.3762

 7.5313, 5.8058,  
0.5155

248.5922,  
238.1900, 154.2372

 3.8458, 2.7273,  
0.0000

298.2352,

 1.6153, 0.9911,

287.3575, 192.5508

0.0000

354.0828,  
342.8644, 236.7355

■ 0.4023, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.5710, 54.7846,  
24.2117

■ 60.5710, 54.7846,  
24.2117

■ 56.5986, 48.9215,  
16.4712

■ 65.2410, 61.3897,  
34.2001

■ 53.2774, 43.7615,  
10.7934

■ 70.6429, 68.7572,  
46.5949

■ 50.5600, 39.2738,  
6.9684

■ 76.8134, 76.9163,  
61.5440

■ 48.3889, 35.4201,  
4.7384

■ 83.7851, 85.8921,  
79.1820

47.3223, 33.4249,  
3.9575

91.5886, 95.7087,  
99.6344

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



68.6824, 54.7846, 35.3303



60.5710, 54.7846, 24.2117



50.9620, 54.7846, 21.4009

# Triad

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



60.5710, 54.7846, 24.2117



35.9988, 54.7846, 62.9079



62.7364, 54.7846, 114.2056

# Complementary

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



60.5710, 54.7846, 24.2117



44.4551, 49.1395, 101.7492

# 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.



53.1962, 54.7846, 127.8838



60.5710, 54.7846, 24.2117



38.3806, 54.7846, 93.1572

# Square

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



60.5710, 54.7846, 24.2117



37.4762, 54.7846, 39.3842



44.4061, 54.7846, 119.2098



70.0347, 54.7846, 85.8956



# Rectangle

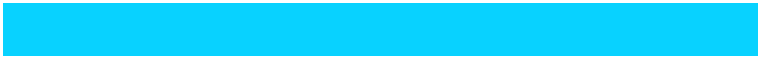
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.5710, 54.7846, 24.2117



45.1658, 54.7846, 23.6020



44.4061, 54.7846, 119.2098



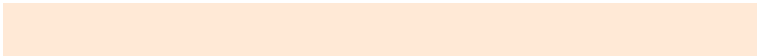
59.6467, 54.7846, 120.9985

# Sweetspot

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



60.5723, 54.7873, 24.2128



82.4098, 84.1386, 75.6492



57.4744, 37.9322, 56.0412



17.3244, 17.6060, 15.3897



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.



60.5723, 54.7873, 24.2128



56.2799, 48.4380, 15.8895



77.3457, 88.3340, 29.8039



18.6814, 19.3310, 18.8910



24.8712, 17.7536, 2.1159



2.5288, 1.9430, 0.2418



# Inverse Universe

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



44.4551, 49.1395, 101.7492



38.6214, 42.2113, 100.7198



32.8730, 25.9754, 97.8885



17.8323, 19.0362, 22.9844



14.5155, 13.9406, 51.3603



1.5225, 1.5756, 5.0372



# Previews

## White Background



This preview shows how the XYZ color 60.5710, 54.7846, 24.2117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

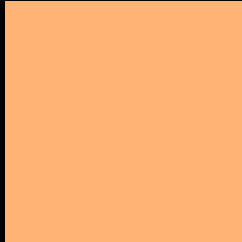
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.5710, 54.7846, 24.2117 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 60.5710, 54.7846, 24.2117

## Background



This preview shows how black text looks on a background with the XYZ color 60.5710, 54.7846, 24.2117.



This preview shows how white text looks on a background with the XYZ color 60.5710, 54.7846,



# 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

60.5710, 54.7846, 24.2117

### Protanopia

50.7557, 55.0560, 26.6907

### Deuteranopia

56.1247, 54.9556, 23.8691



## Tritanopia

64.9405, 54.6499, 53.0247

# Trichromacy



**Original Color**

60.5710, 54.7846, 24.2117

**Protanomaly**

53.8596, 54.7014, 25.8089

**Deuteranomaly**

57.6011, 54.7750, 24.0597

**Tritanomaly**

62.9151, 54.4580, 40.4532

# Monochromacy



**Original Color**

60.5710, 54.7846, 24.2117

**Achromatopsia**

51.8711, 54.5724, 59.4294

**Achromatomaly**

53.7879, 53.9369, 44.1352

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.5710, 54.7846, 24.2117 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, 179, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 117)  
}
```

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, 179, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 60.5710, 54.7846, 24.2117 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, 179, 117) }
```



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

```
.border{ border-color:rgb(255, 179, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.5710, 54.7846, 24.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 117) }
```

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

```
.background{ background-color: rgb(255,  
179, 117) }
```

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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