

Converting Colors

XYZ(61.3180, 62.1977, 24.1990)

Have a look what the booklet for
XYZ(61.3180, 62.1977, 24.1990)
contains.

XYZ(61.4675, 62.3556, 24.1254)	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(61.4675, 62.3556,
24.1254)**

Conversions

Conversions Part 1	
Format	Color
Hex	F5C970
RGB	245, 201, 112
RGB Percent	96%, 79%, 44%
CMY	0.0392, 0.2117, 0.5608
CMYK	0.00, 0.18, 0.54, 0.04
HSL	40°, 87%, 70%
HSV	40°, 54%, 96%
XYZ	61.4675, 62.3556, 24.1254
YIQ	204.0100, 54.7930, -18.3510

Conversions

Conversions Part 2

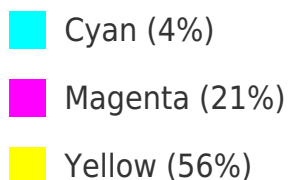
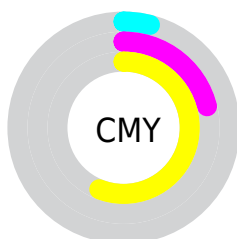
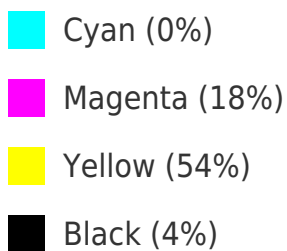
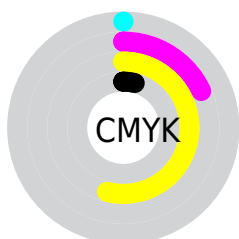
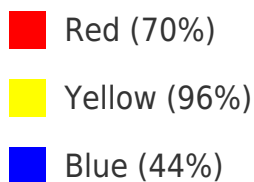
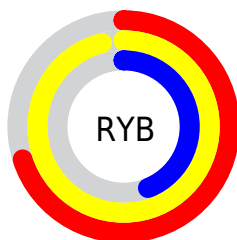
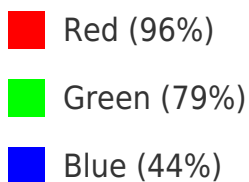
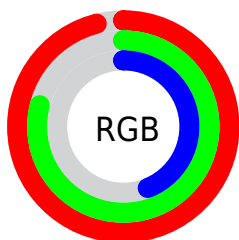
Format	Color
RYB	178, 245, 112
Decimal	16107888
CIELab	83.10, 5.22, 49.84
CIELCh	83, 50.116, 84.019
Yxy	62.3556, 0.4155, 0.4215
Android (android.graphics.Color)	4294297968 (0xFFFF5C970)
YUV	204.0100, -45.3609, 35.9482
Hunter-Lab	78.9656, 0.7563, 37.1617

Details

The XYZ color **61.4675, 62.3556, 24.1254** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.0516, 33.8131, 91.0651**, and the grayscale version is **57.6557, 60.6582, 66.0568**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **31.5257, 31.6435, 8.8611** is the 20% darker color. If you saturate the color by 10%, you get **58.4453, 58.2055, 17.2792**, and if you desaturate by 10%, it is **64.9634, 66.8595, 32.9615**.

Distribution





Brightness & Saturation

Gradients


These gradients show how the XYZ color 61.4675, 62.3556, 24.1254 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 61.4675, 62.3556, 24.1254 by changing the saturation by 10% instead.


 61.4675, 62.3556,
24.1254


 61.4675, 62.3556,
24.1254


419.7346,
433.2270, 286.7608

 44.8565, 45.3201,
15.2136

 106.0498,
108.2393, 51.1812

 31.5452, 31.7096,
8.8212


 134.7519,
137.8563, 70.1622

 21.1682, 21.1398,
4.5295


 168.2151,
172.4359, 93.3367

 13.3602, 13.2262,
1.9201

206.8047,
212.3625, 121.1233

 7.7558, 7.5845,
0.5055

250.8861,
258.0206, 153.9405

 3.9895, 3.8303,
0.0000


300.8246,


 1.6962, 1.5791,


309.7944, 192.2067

0.0000


356.9857,
368.0684, 236.3407


 0.4539, 0.3434,
0.0000


 0.0000, 0.0000,
0.0000


 61.4675, 62.3556,
24.1254


 61.4675, 62.3556,
24.1254


 58.4453, 58.2055,
17.2792


 64.9634, 66.8595,
32.9615


 55.8601, 54.3848,
12.2562


 68.9576, 71.7222,
43.9287


 53.6758, 50.8791,
8.8682


 73.4777, 76.9595,
57.1596

 51.8471, 47.6676,
6.8837

 78.5481, 82.5834,
72.7747

 50.9240, 45.9482,
6.1849

 84.1913, 88.6052,
90.8861

 89.7773, 94.7749,
108.1694

 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.



72.3870, 62.3556, 30.1177



61.4675, 62.3556, 24.1254



51.1754, 62.3556, 26.6400

Triad

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



61.4675, 62.3556, 24.1254



42.1823, 62.3556, 95.2300



77.8004, 62.3556, 109.3897

Complementary

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



61.4675, 62.3556, 24.1254



35.0516, 33.8131, 91.0651

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.



68.1698, 62.3556, 138.3879



61.4675, 62.3556, 24.1254



47.8368, 62.3556, 128.6195

Square

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



61.4675, 62.3556, 24.1254



40.8474, 62.3556, 61.8577



57.1199, 62.3556, 146.3280



82.5284, 62.3556, 74.3121

Rectangle

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



61.4675, 62.3556, 24.1254



45.9214, 62.3556, 33.3581



57.1199, 62.3556, 146.3280



74.9764, 62.3556, 120.5536

Sweetspot

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



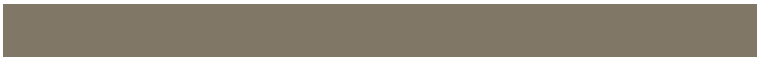
61.4690, 62.3586, 24.1266



85.0079, 89.3347, 76.5152



49.4797, 33.4130, 35.4429



17.9440, 18.8451, 15.5962



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.



61.4690, 62.3586, 24.1266



63.7479, 63.3740, 18.3788



65.9573, 82.1361, 27.7075



17.4259, 18.3359, 17.4183



27.5660, 25.0176, 3.3760



2.5167, 2.3866, 0.3280

Inverse Universe

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



35.0516, 33.8131, 91.0651



32.1789, 29.3262, 98.5723



32.1343, 23.2637, 89.1827



16.0289, 16.8221, 20.9447



10.5785, 6.9508, 47.3221



1.0201, 0.7916, 4.1893

Previews

White Background



This preview shows how the XYZ color 61.4675, 62.3556, 24.1254 looks on a white background.

Color Contrast Check

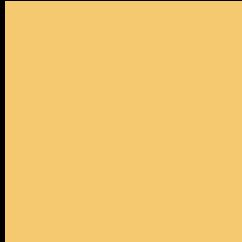
Large Text (above 18pt) WCAG AA × Fail

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 61.4675, 62.3556, 24.1254 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 61.4675, 62.3556, 24.1254

Background



This preview shows how black text looks on a background with the XYZ color 61.4675, 62.3556, 24.1254.



This preview shows how white text looks on a background with the XYZ color 61.4675, 62.3556,

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

61.4675, 62.3556, 24.1254

Protanopia

57.3450, 62.3345, 24.9290

Deuteranopia

63.6827, 62.4631, 24.3229



Tritanopia

69.9409, 62.1173, 66.0612

Trichromacy



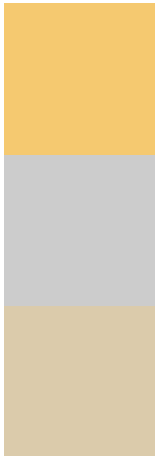
Original Color
61.4675, 62.3556, 24.1254

Protanomaly
58.7436, 62.3473, 24.5609

Deuteranomaly
62.8284, 62.3631, 24.3487

Tritanomaly
66.0668, 61.8478, 46.9838

Monochromacy



Original Color
61.4675, 62.3556, 24.1254

Achromatopsia
57.3938, 60.3827, 65.7568

Achromatomaly
57.9200, 60.7122, 47.1940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4675, 62.3556, 24.1254 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, 201, 112)` looks like.

```
.text, #text, p{  
    color:rgb(245, 201, 112)  
}
```

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, 201, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 201, 112) }
```

Border

The CSS property to change the border of an element to XYZ 61.4675, 62.3556, 24.1254 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, 201, 112) }
```


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

```
.border{ border-color:rgb(245, 201, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 201, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 201, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 201, 112);  
box-shadow:4px 4px 4px 4px rgb(245, 201,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4675, 62.3556, 24.1254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 201, 112) }
```

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

```
.background{ background-color: rgb(245,  
201, 112) }
```

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