

Converting Colors

XYZ(60.1996, 55.3420, 20.0796)

Have a look what the booklet for
XYZ(60.1996, 55.3420, 20.0796)
contains.

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Color

**XYZ(60.1621, 55.2671,
20.0671)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB566
RGB	255, 181, 102
RGB Percent	100%, 71%, 40%
CMY	0.0000, 0.2902, 0.6000
CMYK	0.00, 0.29, 0.60, 0.00
HSL	31°, 100%, 70%
HSV	31°, 60%, 100%
XYZ	60.1621, 55.2671, 20.0671
YIQ	194.1200, 69.4630, -8.8810

Conversions

Conversions Part 2

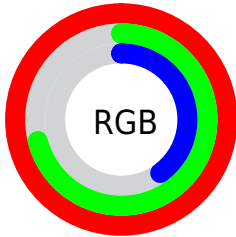
Format	Color
R_{YB}	245, 255, 102
Decimal	16758118
CIE _{Lab}	79.19, 18.98, 50.31
CIE _{LCh}	79, 53.774, 69.330
Yxy	55.2671, 0.4440, 0.4079
Android (android.graphics.Color)	4294948198 (0xFFFFB566)
YUV	194.1200, -45.4152, 53.3918
Hunter-Lab	74.3418, 14.3552, 36.0351

Details

The XYZ color **60.1621, 55.2671, 20.0671** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.0538, 41.0933, 100.4805**, and the grayscale version is **51.5823, 54.2685, 59.0984**.

A 20% lighter version of the original color is **77.4406, 84.1949, 43.1800**, and **30.5648, 27.1467, 6.7609** is the 20% darker color. If you saturate the color by 10%, you get **56.6893, 50.0438, 13.6010**, and if you desaturate by 10%, it is **64.2484, 61.0954, 28.6571**.

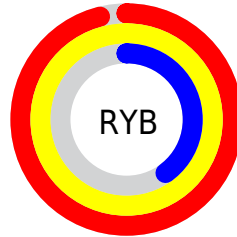
Distribution



Red (100%)

Green (71%)

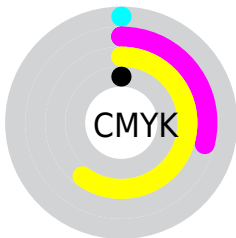
Blue (40%)



Red (96%)

Yellow (100%)

Blue (40%)

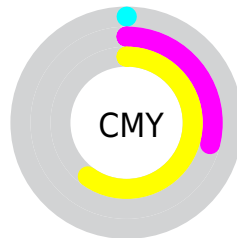


Cyan (0%)

Magenta (29%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (29%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.1621, 55.2671, 20.0671 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 60.1621, 55.2671, 20.0671 by changing the saturation by 10% instead.


 60.1621, 55.2671,
20.0671


 60.1621, 55.2671,
20.0671


415.0202,
406.9236, 264.8944


 43.7993, 39.6156,
12.2593


 104.1698, 97.9322,
44.3901


 30.7100, 27.2390,
6.7958


 132.5453,
125.7146, 61.7424

 20.5288, 17.7528,
3.2582


 165.6559,
158.3094, 83.1132

 12.8905, 10.7726,
1.2280

 203.8667,
196.1010, 108.9211

 7.4297, 5.9142,
0.0016

247.5432,
239.4739, 139.5846

 3.7810, 2.7930,
0.0000

297.0507,

 1.5790, 1.0246,

288.8123, 175.5223

0.0000

352.7546,
344.5008, 217.1527

■ 0.3786, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.1621, 55.2671,
20.0671

■ 60.1621, 55.2671,
20.0671

■ 56.6893, 50.0438,
13.6010

■ 64.2484, 61.0954,
28.6571

■ 53.7833, 45.3910,
9.0589

■ 68.9820, 67.5445,
39.5396

■ 51.3955, 41.2819,
6.2078

■ 74.3985, 74.6392,
52.8698

■ 49.4474, 37.6752,
4.6660

■ 80.5294, 82.4004,
68.7885

49.4472, 37.6749,
4.6658

87.4041, 90.8478,
87.4254

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



70.1787, 55.2671, 29.9349



60.1621, 55.2671, 20.0671



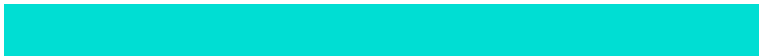
49.2521, 55.2671, 18.6474

Triad

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



60.1621, 55.2671, 20.0671



34.6722, 55.2671, 70.2841



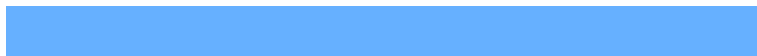
66.7364, 55.2671, 118.5012

Complementary

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



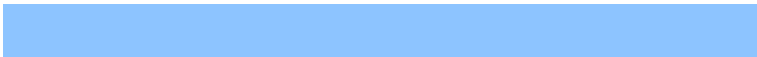
60.1621, 55.2671, 20.0671



39.0538, 41.0933, 100.4805

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.



55.9497, 55.2671, 139.4441



60.1621, 55.2671, 20.0671



38.1195, 55.2671, 105.9865

Square

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



60.1621, 55.2671, 20.0671



35.4791, 55.2671, 41.6200



45.5718, 55.2671, 134.2141



74.3191, 55.2671, 83.5619

Rectangle

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



60.1621, 55.2671, 20.0671



43.0487, 55.2671, 21.9376



45.5718, 55.2671, 134.2141



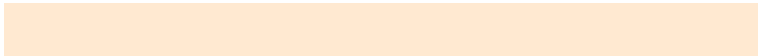
63.3096, 55.2671, 127.8729

Sweetspot

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



60.1634, 55.2698, 20.0682



81.8439, 84.0341, 72.2931



54.0776, 33.9975, 46.0955



17.1107, 17.4799, 14.3896



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.



60.1634, 55.2698, 20.0682



56.0642, 49.0681, 12.5450



79.3978, 93.7387, 26.4796



18.7852, 19.5386, 18.9256



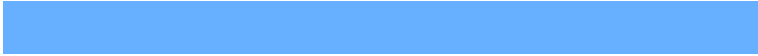
25.9877, 19.9867, 2.4881



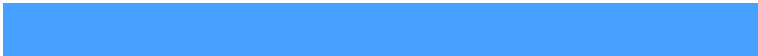
2.6398, 2.1649, 0.2787

Inverse Universe

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



39.0538, 41.0933, 100.4805



33.2821, 33.7831, 99.3744



28.2812, 19.5481, 96.8896



17.7280, 18.8277, 22.9497



13.3014, 11.5124, 50.9556



1.4039, 1.3385, 4.9976

Previews

White Background



This preview shows how the XYZ color 60.1621, 55.2671, 20.0671 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 60.1621, 55.2671, 20.0671 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 60.1621, 55.2671, 20.0671

Background



This preview shows how black text looks on a background with the XYZ color 60.1621, 55.2671, 20.0671.



This preview shows how white text looks on a background with the XYZ color 60.1621, 55.2671,

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

60.1621, 55.2671, 20.0671

Protanopia

50.9390, 55.5930, 21.9557

Deuteranopia

56.3949, 55.1810, 19.9906



Tritanopia

65.2390, 55.0773, 53.6469

Trichromacy



Original Color

60.1621, 55.2671, 20.0671

Protanomaly

53.8137, 55.1045, 21.1645

Deuteranomaly

57.7040, 55.2303, 19.9311

Tritanomaly

62.8785, 55.0708, 38.3260

Monochromacy



Original Color

60.1621, 55.2671, 20.0671

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

52.9495, 53.5673, 41.2670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1621, 55.2671, 20.0671 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, 181, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 102)  
}
```

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, 181, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 102) }
```

Border

The CSS property to change the border of an element to XYZ 60.1621, 55.2671, 20.0671 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, 181, 102) }
```


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

```
.border{ border-color:rgb(255, 181, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1621, 55.2671, 20.0671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 102) }
```

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

```
.background{ background-color: rgb(255,  
181, 102) }
```

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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