

Converting Colors

XYZ(62.1973, 59.3373, 20.7455)

Have a look what the booklet for
XYZ(62.1973, 59.3373, 20.7455)
contains.

XYZ(62.2691, 59.4809, 20.7694)	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(62.2691, 59.4809,
20.7694)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBF66
RGB	255, 191, 102
RGB Percent	100%, 75%, 40%
CMY	0.0000, 0.2510, 0.6000
CMYK	0.00, 0.25, 0.60, 0.00
HSL	35°, 100%, 70%
HSV	35°, 60%, 100%
XYZ	62.2691, 59.4809, 20.7694
YIQ	199.9900, 66.7130, -14.1110

Conversions

Conversions Part 2

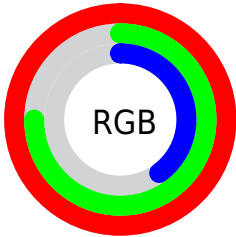
Format	Color
R _Y B	212, 255, 102
Decimal	16760678
CIE Lab	81.56, 13.76, 53.07
CIE LCh	82, 54.825, 75.463
Yxy	59.4809, 0.4369, 0.4174
Android (android.graphics.Color)	4294950758 (0xFFFFBF66)
YUV	199.9900, -48.3091, 48.2438
Hunter-Lab	77.1239, 9.1525, 38.0199

Details

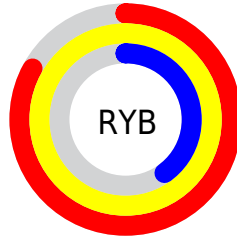
The XYZ color **62.2691, 59.4809, 20.7694** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.1651, 37.3157, 99.8512**, and the grayscale version is **55.1543, 58.0266, 63.1910**.

A 20% lighter version of the original color is **80.4172, 90.1481, 44.1722**, and **32.1699, 30.0093, 7.1145** is the 20% darker color. If you saturate the color by 10%, you get **58.9521, 54.5691, 14.3552**, and if you desaturate by 10%, it is **66.1472, 64.8928, 29.2901**.

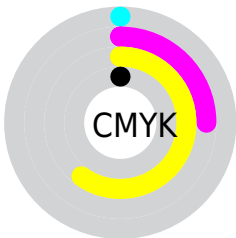
Distribution



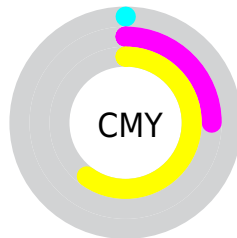
- Red (100%)
- Green (75%)
- Blue (40%)



- Red (83%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (25%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2691, 59.4809, 20.7694 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 62.2691, 59.4809, 20.7694 by changing the saturation by 10% instead.

62.2691, 59.4809,
20.7694

62.2691, 59.4809,
20.7694

422.6139,
422.6817, 268.7911

45.5066, 43.0004,
12.7659

107.2021,
104.0763, 45.5792

32.0596, 29.8854,
7.1387

136.1033,
132.9599, 63.2227

21.5628, 19.7516,
3.4693

169.7815,
166.7467, 84.9166

13.6508, 12.2146,
1.3390

208.6019,
205.8210, 111.0794

7.9583, 6.8900,
0.0934

252.9301,
250.5673, 142.1297

4.1198, 3.3934,
0.0000

303.1312,

1.7702, 1.3404,

301.3699, 178.4861

0.0000

359.5707,
358.6133, 220.5670

■ 0.4996, 0.1722,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.2691, 59.4809,
20.7694

■ 62.2691, 59.4809,
20.7694

■ 58.9521, 54.5691,
14.3552

■ 66.1472, 64.8928,
29.2901

■ 56.1514, 50.1269,
9.8482

■ 70.6179, 70.8161,
40.0850

■ 53.8206, 46.1319,
7.0161

■ 75.7149, 77.2718,
53.3088

■ 51.8838, 42.5478,
5.4781

■ 81.4680, 84.2772,
69.1016

■ 51.8836, 42.5475,
5.4779

■ 87.9045, 91.8483,
87.5925

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.



73.5060, 59.4809, 29.2987



62.2691, 59.4809, 20.7694



50.8417, 59.4809, 20.8937

Triad

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



62.2691, 59.4809, 20.7694



37.7880, 59.4809, 83.1591



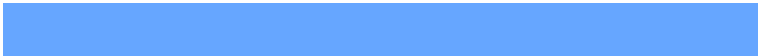
73.8073, 59.4809, 120.1116

Complementary

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



62.2691, 59.4809, 20.7694



37.1651, 37.3157, 99.8512

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.



62.6378, 59.4809, 146.9866



62.2691, 59.4809, 20.7694



42.4002, 59.4809, 121.2067

Square

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



62.2691, 59.4809, 20.7694



37.7174, 59.4809, 50.1331



51.1638, 59.4809, 147.4443



80.7553, 59.4809, 81.9973

Rectangle

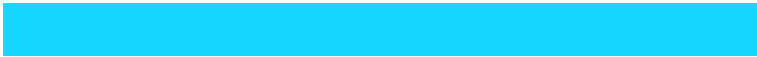
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.2691, 59.4809, 20.7694



44.6513, 59.4809, 25.6647



51.1638, 59.4809, 147.4443



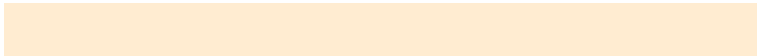
70.3593, 59.4809, 131.2534

Sweetspot

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



62.2705, 59.4838, 20.7706



82.6994, 85.7452, 72.5783



53.0874, 33.6016, 40.8808



17.3194, 17.8973, 14.4592



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.



62.2705, 59.4838, 20.7706



58.3519, 53.6434, 13.3075



75.7446, 91.8555, 26.3088



18.8873, 19.7427, 18.9596



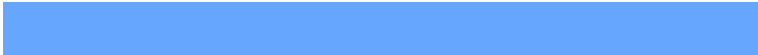
27.2614, 22.5339, 2.9127



2.7624, 2.4101, 0.3196

Inverse Universe

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



37.1651, 37.3157, 99.8512



31.2982, 29.8151, 98.7130



29.5094, 20.1813, 96.9474



17.6273, 18.6262, 22.9161



12.2996, 9.5088, 50.6217



1.3026, 1.1359, 4.9639

Previews

White Background



This preview shows how the XYZ color 62.2691, 59.4809, 20.7694 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 62.2691, 59.4809, 20.7694 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 62.2691, 59.4809, 20.7694

Background



This preview shows how black text looks on a background with the XYZ color 62.2691, 59.4809, 20.7694.



This preview shows how white text looks on a background with the XYZ color 62.2691, 59.4809,

20.7694.

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

62.2691, 59.4809, 20.7694

Protanopia

54.6979, 59.5998, 22.2567

Deuteranopia

60.8433, 59.4035, 20.5712



Tritanopia

68.2308, 59.4811, 59.5146

Trichromacy



Original Color

62.2691, 59.4809, 20.7694

Protanomaly

57.2342, 59.5289, 21.8383

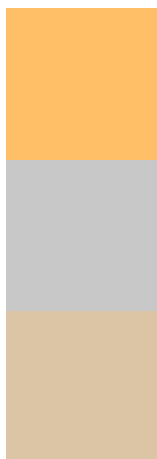
Deuteranomaly

61.3435, 59.3343, 20.5314

Tritanomaly

65.4433, 59.3739, 41.7293

Monochromacy



Original Color

62.2691, 59.4809, 20.7694

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

56.1823, 57.8285, 43.3228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.2691, 59.4809, 20.7694 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, 191, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 191, 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, 191, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 191, 102) }
```

Border

The CSS property to change the border of an element to XYZ 62.2691, 59.4809, 20.7694 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, 191, 102) }
```


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

```
.border{ border-color:rgb(255, 191, 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, 191, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 191, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 191, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 191,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 62.2691, 59.4809, 20.7694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 191, 102) }
```

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

```
.background{ background-color: rgb(255,  
191, 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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