

Converting Colors

XYZ(61.6716, 62.1065, 8.8021)

Have a look what the booklet for
XYZ(61.6716, 62.1065, 8.8021)
contains.

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Color

**XYZ(61.6744, 62.1112,
8.7955)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC702
RGB	255, 199, 2
RGB Percent	100%, 78%, 1%
CMY	0.0000, 0.2196, 0.9921
CMYK	0.00, 0.22, 0.99, 0.00
HSL	47°, 100%, 50%
HSV	47°, 99%, 100%
XYZ	61.6744, 62.1112, 8.7955
YIQ	193.2860, 96.6130, -49.3950

Conversions

Conversions Part 2

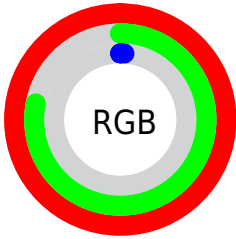
Format	Color
R _Y B	74, 255, 2
Decimal	16762626
CIE Lab	82.97, 6.27, 84.19
CIE LCh	83, 84.419, 85.744
Yxy	62.1112, 0.4652, 0.4685
Android (android.graphics.Color)	4294952706 (0xFFFFC702)
YUV	193.2860, -94.3040, 54.1232
Hunter-Lab	78.8107, 1.7691, 48.5505

Details

The XYZ color **61.6744, 62.1112, 8.7955** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **19.5891, 10.2607, 95.5551**, and the grayscale version is **51.3582, 54.0329, 58.8418**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **32.2712, 31.8952, 4.4555** is the 20% darker color. If you saturate the color by 10%, you get **61.5618, 61.9040, 8.7040**, and if you desaturate by 10%, it is **63.1915, 64.8372, 10.2532**.

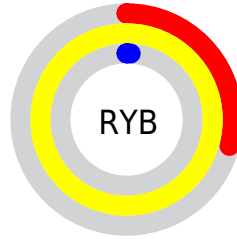
Distribution



Red (100%)

Green (78%)

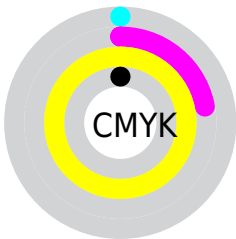
Blue (1%)



Red (29%)

Yellow (100%)

Blue (1%)

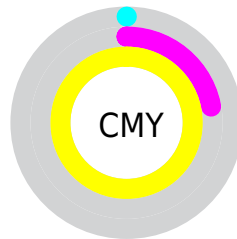


Cyan (0%)

Magenta (22%)

Yellow (99%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6744, 62.1112, 8.7955 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 61.6744, 62.1112, 8.7955 by changing the saturation by 10% instead.

61.6744, 62.1112,
8.7955

61.6744, 62.1112,
8.7955

420.4789,
432.3366, 192.0065

45.0243, 45.1226,
4.5130

106.3474,
107.8862, 24.0752

31.6779, 31.5540,
1.9108

135.1010,
137.4414, 35.9096

21.2699, 21.0210,
0.4996

168.6198,
171.9542, 51.0983

13.4351, 13.1394,
0.0000

207.2691,
211.8091, 70.0599

7.8079, 7.5246,
0.0000

251.4143,
257.3903, 93.2130

4.0230, 3.7923,
0.0000

301.4208,

1.7152, 1.5581,

309.0824, 120.9761

0.0000

357.6539,
367.2697, 153.7678

■ 0.4657, 0.3291,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 61.6744, 62.1112,
8.7955

■ 61.6744, 62.1112,
8.7955

■ 61.5618, 61.9040,
8.7040

■ 63.1915, 64.8372,
10.2532

■ 65.0023, 67.7560,
13.0232

■ 67.1739, 70.8979,
17.4507

■ 69.7502, 74.2811,
23.7644

■ 72.7682, 77.9212,
32.1567

■ 76.2605, 81.8320,
42.7963

■ 80.2560, 86.0259,
55.8346

■ 84.7816, 90.5143,
71.4097

■ 89.8619, 95.3079,
89.6491

Harmonies

Analogous

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



81.0413, 62.1112, 13.9679



61.6744, 62.1112, 8.7955



45.0836, 62.1112, 11.5232

Triad

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



61.6744, 62.1112, 8.7955



32.7595, 62.1112, 121.2620



92.9975, 62.1112, 141.3202

Complementary

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



61.6744, 62.1112, 8.7955



19.5891, 10.2607, 95.5551

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.



75.6028, 62.1112, 204.3073



61.6744, 62.1112, 8.7955



41.4232, 62.1112, 189.1313

Square

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



61.6744, 62.1112, 8.7955



30.5285, 62.1112, 60.4491



56.4717, 62.1112, 225.2230



101.3351, 62.1112, 75.3550

Rectangle

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



61.6744, 62.1112, 8.7955



37.3234, 62.1112, 18.9830



56.4717, 62.1112, 225.2230



87.8614, 62.1112, 164.6397

Sweetspot

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



61.6758, 62.1143, 8.7967



79.9205, 85.6831, 54.7094



42.1054, 21.6413, 6.3801



16.7359, 17.9558, 10.4868



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.



61.6758, 62.1143, 8.7967



61.5622, 61.9044, 8.7041



56.3965, 82.1568, 12.9436



19.2001, 20.3684, 19.0639



32.2835, 32.5783, 4.5867



3.2234, 3.3322, 0.4733

Inverse Universe

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



19.5891, 10.2607, 95.5551



19.4856, 10.0912, 95.5285



20.5605, 8.5469, 95.1731



17.3290, 18.0296, 22.8167



10.2712, 5.4521, 49.9456



1.0768, 0.6844, 4.8886

Previews

White Background



This preview shows how the XYZ color 61.6744, 62.1112, 8.7955 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 61.6744, 62.1112, 8.7955 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 61.6744, 62.1112, 8.7955

Background



This preview shows how black text looks on a background with the XYZ color 61.6744, 62.1112, 8.7955.



This preview shows how white text looks on a background with the XYZ color 61.6744, 62.1112,

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

61.6744, 62.1112, 8.7955

Protanopia

55.9897, 61.9783, 9.3928

Deuteranopia

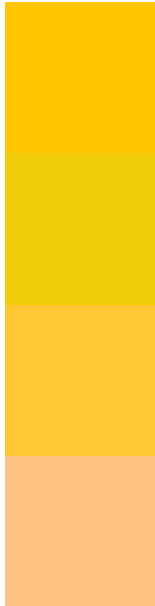
63.0343, 62.2883, 17.0881



Tritanopia

69.9802, 61.8722, 63.5125

Trichromacy



Original Color

61.6744, 62.1112, 8.7955

Protanomaly

57.9178, 61.9062, 9.1549

Deuteranomaly

62.0999, 61.9145, 12.1677

Tritanomaly

64.2724, 60.9849, 29.1526

Monochromacy



Original Color

61.6744, 62.1112, 8.7955

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

51.4721, 55.0844, 26.9883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.6744, 62.1112, 8.7955 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, 199, 2)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 2)  
}
```

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, 199, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 2) }
```

Border

The CSS property to change the border of an element to XYZ 61.6744, 62.1112, 8.7955 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, 199, 2) }
```


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

```
.border{ border-color:rgb(255, 199, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 2);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 61.6744, 62.1112, 8.7955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 2) }
```

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

```
.background{ background-color: rgb(255,  
199, 2) }
```

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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