

Converting Colors

XYZ(68.9310, 76.3484, 12.0654)

Have a look what the booklet for
XYZ(68.9310, 76.3484, 12.0654)
contains.

XYZ(68.8955, 76.2728, 12.0682)	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(68.8955, 76.2728,
12.0682)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE31A
RGB	255, 227, 26
RGB Percent	100%, 89%, 10%
CMY	0.0000, 0.1098, 0.8980
CMYK	0.00, 0.11, 0.90, 0.00
HSL	53°, 100%, 55%
HSV	53°, 90%, 100%
XYZ	68.8955, 76.2728, 12.0682
YIQ	212.4580, 81.2090, -56.5750

Conversions

Conversions Part 2

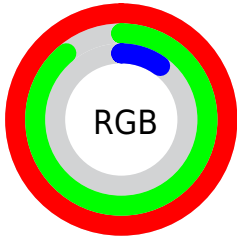
Format	Color
R _Y B	58, 255, 26
Decimal	16769818
CIE Lab	89.99, -7.69, 86.66
CIE LCh	90, 87.004, 95.071
Yxy	76.2728, 0.4382, 0.4851
Android (android.graphics.Color)	4294959898 (0xFFFFE31A)
YUV	212.4580, -91.9238, 37.3093
Hunter-Lab	87.3343, -12.0215, 52.9411

Details

The XYZ color **68.8955, 76.2728, 12.0682** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **19.7957, 10.0787, 95.5088**, and the grayscale version is **63.4428, 66.7468, 72.6872**.

A 20% lighter version of the original color is **79.2521, 93.6809, 25.7096**, and **36.7448, 40.8425, 5.9467** is the 20% darker color. If you saturate the color by 10%, you get **67.8685, 74.5130, 10.8202**, and if you desaturate by 10%, it is **70.1800, 78.1662, 14.5805**.

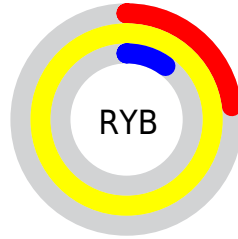
Distribution



Red (100%)

Green (89%)

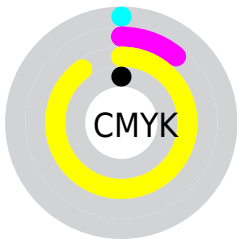
Blue (10%)



Red (23%)

Yellow (100%)

Blue (10%)

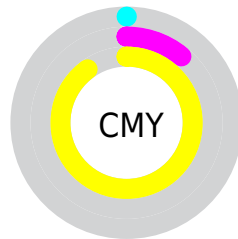


Cyan (0%)

Magenta (11%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8955, 76.2728, 12.0682 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 68.8955, 76.2728, 12.0682 by changing the saturation by 10% instead.

68.8955, 76.2728,
12.0682

68.8955, 76.2728,
12.0682

445.9895,
482.2810, 215.8502

50.9029, 56.6562,
6.6670

116.6672,
128.1125, 30.2855

36.3521, 40.7293,
3.1795

147.1770,
161.1043, 43.9387

24.8776, 28.1076,
1.1870

182.5900,
199.3234, 61.1797

16.1141, 18.4068,
0.0000

223.2715,
243.1541, 82.4270

9.6963, 11.2424,
0.0000

269.5868,
292.9808, 108.0992

5.2588, 6.2302,
0.0000

321.9014,

2.4362, 2.9855,

349.1880, 138.6148

0.0000

380.5805,
412.1599, 174.3922

■ 0.8632, 1.1242,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8955, 76.2728,
12.0682

■ 68.8955, 76.2728,
12.0682

■ 67.8685, 74.5130,
10.8202


■ 70.1800, 78.1662,
14.5805


■ 67.8487, 74.4781,
10.7997


■ 71.7870, 80.2104,
18.7225

■ 73.7623, 82.4270,
24.7269

■ 76.1428, 84.8307,
32.7879

 78.9609, 87.4346,
43.0752

 82.2454, 90.2504,
55.7407

 86.0228, 93.2889,
70.9233

 90.3175, 96.5598,
88.7510

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



91.3926, 76.2728, 15.2378



68.8955, 76.2728, 12.0682



51.2051, 76.2728, 18.8799

Triad

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



68.8955, 76.2728, 12.0682



43.6046, 76.2728, 171.5542



116.9160, 76.2728, 143.7537

Complementary

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



68.8955, 76.2728, 12.0682



19.7957, 10.0787, 95.5088

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.



98.9936, 76.2728, 222.8820



68.8955, 76.2728, 12.0682



56.4004, 76.2728, 243.7485

Square

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



68.8955, 76.2728, 12.0682



38.5691, 76.2728, 93.9797



76.2178, 76.2728, 266.1044



122.0745, 76.2728, 72.9989

Rectangle

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



68.8955, 76.2728, 12.0682



43.5629, 76.2728, 31.9615



76.2178, 76.2728, 266.1044



112.0317, 76.2728, 171.1664

Sweetspot

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



68.8972, 76.2765, 12.0697



83.2524, 91.0786, 59.7301



42.3366, 22.2901, 5.8828



17.5577, 19.2790, 11.7485



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.



68.8972, 76.2765, 12.0697



67.8494, 74.4788, 10.7998



52.7492, 80.2561, 13.6890



19.3606, 20.6893, 19.1174



35.5276, 39.0664, 5.6681



3.5102, 3.9058, 0.5689

Inverse Universe

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



19.7957, 10.0787, 95.5088



18.5445, 8.2090, 95.2148



24.8469, 11.2728, 95.4731



17.1819, 17.7353, 22.7676



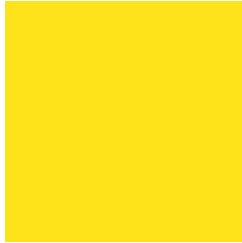
9.7455, 4.4006, 49.7703



1.0029, 0.5365, 4.8640

Previews

White Background



This preview shows how the XYZ color 68.8955, 76.2728, 12.0682 looks on a white background.

Color Contrast Check

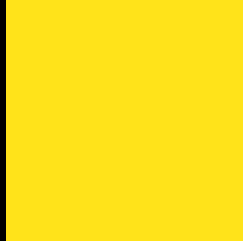
Large Text (above 18pt) WCAG AA × Fail

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 68.8955, 76.2728, 12.0682 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 68.8955, 76.2728, 12.0682

Background



This preview shows how black text looks on a background with the XYZ color 68.8955, 76.2728, 12.0682.



This preview shows how white text looks on a background with the XYZ color 68.8955, 76.2728,

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

68.8955, 76.2728, 12.0682

Protanopia

69.0125, 76.3195, 12.6839

Deuteranopia

74.7364, 76.0289, 50.7804



Tritanopia

79.6610, 75.9178, 83.1281

Trichromacy



Original Color

68.8955, 76.2728, 12.0682

Protanomaly

68.9698, 76.3025, 12.4592

Deuteranomaly

71.0178, 75.3914, 28.5783

Tritanomaly

72.6659, 74.7795, 41.1758

Monochromacy



Original Color

68.8955, 76.2728, 12.0682

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.8418, 68.1333, 36.2772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8955, 76.2728, 12.0682 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, 227, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 26)  
}
```

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, 227, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 26) }
```

Border

The CSS property to change the border of an element to XYZ 68.8955, 76.2728, 12.0682 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, 227, 26) }
```


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

```
.border{ border-color:rgb(255, 227, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8955, 76.2728, 12.0682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 26) }
```

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

```
.background{ background-color: rgb(255,  
227, 26) }
```

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