

Converting Colors

XYZ(68.9135, 76.4690, 11.5799)

Have a look what the booklet for
XYZ(68.9135, 76.4690, 11.5799)
contains.

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Color

**XYZ(68.7953, 76.2327,
11.5404)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE30F
RGB	255, 227, 15
RGB Percent	100%, 89%, 6%
CMY	0.0000, 0.1098, 0.9411
CMYK	0.00, 0.11, 0.94, 0.00
HSL	53°, 100%, 53%
HSV	53°, 94%, 100%
XYZ	68.7953, 76.2327, 11.5404
YIQ	211.2040, 84.7400, -59.9960

Conversions

Conversions Part 2

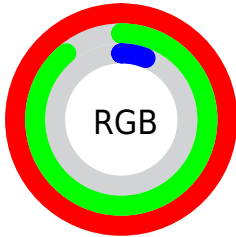
Format	Color
R _Y B	47, 255, 15
Decimal	16769807
CIE Lab	89.97, -7.83, 88.05
CIE LCh	90, 88.400, 95.080
Yxy	76.2327, 0.4394, 0.4869
Android (android.graphics.Color)	4294959887 (0xFFFFE30F)
YUV	211.2040, -96.7286, 38.4091
Hunter-Lab	87.3113, -12.1492, 53.2813

Details

The XYZ color **68.7953, 76.2327, 11.5404** 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 **19.1117, 9.0506, 95.3465**, and the grayscale version is **62.6360, 65.8979, 71.7628**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **36.7448, 40.8425, 5.9467** is the 20% darker color. If you saturate the color by 10%, you get **68.2337, 75.2480, 10.9280**, and if you desaturate by 10%, it is **69.9232, 77.9999, 13.4246**.

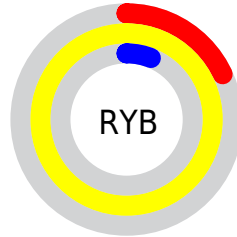
Distribution



Red (100%)

Green (89%)

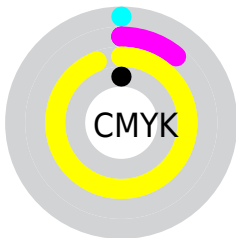
Blue (6%)



Red (18%)

Yellow (100%)

Blue (6%)

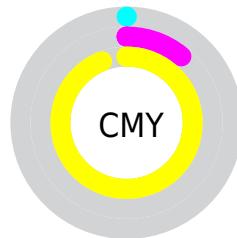


Cyan (0%)

Magenta (11%)

Yellow (94%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7953, 76.2327, 11.5404 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 68.7953, 76.2327, 11.5404 by changing the saturation by 10% instead.

68.7953, 76.2327,
11.5404

68.7953, 76.2327,
11.5404

445.6414,
482.1439, 212.2072

50.8211, 56.6233,
6.3128

116.5248,
128.0558, 29.3070

36.2867, 40.7029,
2.9644

147.0108,
161.0383, 42.6831

24.8268, 28.0870,
1.0765

182.3981,
199.2473, 59.6125

16.0761, 18.3913,
0.0000

223.0520,
243.0673, 80.5136

9.6692, 11.2313,
0.0000

269.3380,
292.8825, 105.8052

5.2408, 6.2226,
0.0000

321.6213,

2.4254, 2.9809,

349.0774, 135.9056

0.0000

380.2673,
412.0364, 171.2334

■ 0.8578, 1.1218,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.7953, 76.2327,
11.5404

■ 68.7953, 76.2327,
11.5404

■ 68.2337, 75.2480,
10.9280

■ 69.9232, 77.9999,
13.4246

■ 71.3501, 79.9063,
16.8208

■ 73.1260, 81.9750,
21.9849

■ 75.2905, 84.2220,
29.1250

■ 77.8777, 86.6609,
38.4202

■ 80.9178, 89.3041,
50.0296

■ 84.4383, 92.1626,
64.0973

■ 88.4643, 95.2465,
80.7555

■ 93.0193, 98.5654,
100.1271

Harmonies

Analogous

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



91.6680, 76.2327, 14.6708



68.7953, 76.2327, 11.5404



50.8683, 76.2327, 18.2937

Triad

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



68.7953, 76.2327, 11.5404



43.1939, 76.2327, 173.2894



117.6983, 76.2327, 144.8244

Complementary

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



68.7953, 76.2327, 11.5404



19.1117, 9.0506, 95.3465

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.



99.4243, 76.2327, 225.7973



68.7953, 76.2327, 11.5404



56.1369, 76.2327, 247.2311

Square

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



68.7953, 76.2327, 11.5404



38.1115, 76.2327, 94.1363



76.2462, 76.2327, 270.1472



122.9589, 76.2327, 72.7867

Rectangle

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



68.7953, 76.2327, 11.5404



43.1463, 76.2327, 31.3739



76.2462, 76.2327, 270.1472



112.7158, 76.2327, 172.8402

Sweetspot

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



68.7970, 76.2364, 11.5419



83.0102, 91.0247, 58.3223



41.8472, 21.7767, 4.2852



17.4473, 19.2212, 11.2088



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.



68.7970, 76.2364, 11.5419



68.2343, 75.2486, 10.9281



50.9521, 79.3413, 13.0818



19.3697, 20.7075, 19.1204



35.7259, 39.4630, 5.7342



3.5276, 3.9405, 0.5747

Inverse Universe

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



19.1117, 9.0506, 95.3465



18.5078, 8.1357, 95.2026



24.2861, 10.6889, 95.3900



17.1736, 17.7188, 22.7649



9.7244, 4.3583, 49.7633



0.9990, 0.5288, 4.8627

Previews

White Background



This preview shows how the XYZ color 68.7953, 76.2327, 11.5404 looks on a white background.

Color Contrast Check

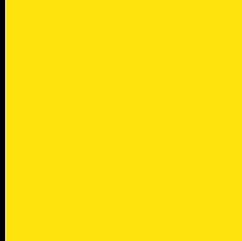
Large Text (above 18pt) WCAG AA × Fail

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 68.7953, 76.2327, 11.5404 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 68.7953, 76.2327, 11.5404

Background



This preview shows how black text looks on a background with the XYZ color 68.7953, 76.2327, 11.5404.



This preview shows how white text looks on a background with the XYZ color 68.7953, 76.2327,

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

68.7953, 76.2327, 11.5404

Protanopia

68.9698, 76.3025, 12.4592

Deuteranopia

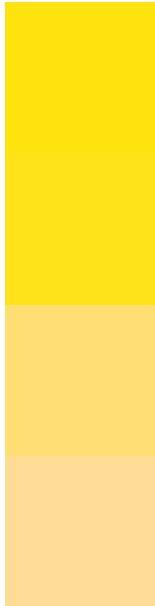
74.7364, 76.0289, 50.7804



Tritanopia

79.6610, 75.9178, 83.1281

Trichromacy



Original Color

68.7953, 76.2327, 11.5404

Protanomaly

68.8955, 76.2728, 12.0682

Deuteranomaly

70.7801, 75.2963, 27.3261

Tritanomaly

72.3382, 74.6484, 39.4501

Monochromacy



Original Color

68.7953, 76.2327, 11.5404

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.2250, 67.8501, 34.6804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7953, 76.2327, 11.5404 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 15) }
```

Border

The CSS property to change the border of an element to XYZ 68.7953, 76.2327, 11.5404 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, 15) }
```


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

```
.border{ border-color:rgb(255, 227, 15) }
```

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, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7953, 76.2327, 11.5404 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, 15) }
```

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

```
.background{ background-color: rgb(255,  
227, 15) }
```

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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