

Converting Colors

XYZ(75.6592, 89.9459, 13.8732)

Have a look what the booklet for
XYZ(75.6592, 89.9459, 13.8732)
contains.

XYZ(75.5191, 89.6686, 13.8177)	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(75.5191, 89.6686,
13.8177)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFA10
RGB	255, 250, 16
RGB Percent	100%, 98%, 6%
CMY	0.0000, 0.0196, 0.9371
CMYK	0.00, 0.02, 0.94, 0.00
HSL	59°, 100%, 53%
HSV	59°, 94%, 100%
XYZ	75.5191, 89.6686, 13.8177
YIQ	224.8190, 78.0940, -71.7140

Conversions

Conversions Part 2

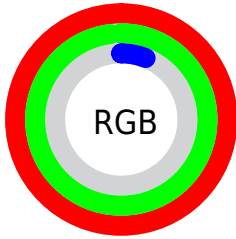
Format	Color
R _{YB}	21, 255, 16
Decimal	16775696
CIE Lab	95.86, -19.05, 92.36
CIE LCh	96, 94.300, 101.655
Yxy	89.6686, 0.4219, 0.5009
Android (android.graphics.Color)	4294965776 (0xFFFFFA10)
YUV	224.8190, -102.9478, 26.4687
Hunter-Lab	94.6935, -23.3579, 57.6338

Details

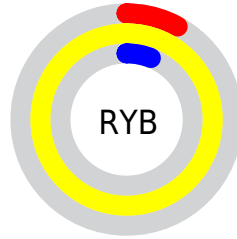
The XYZ color **75.5191, 89.6686, 13.8177** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light washed yellow. A complement of this color would be **18.5326, 7.8674, 95.1487**, and the grayscale version is **72.1195, 75.8753, 82.6282**.

A 20% lighter version of the original color is **79.2521, 93.6809, 25.7096**, and **41.2841, 49.9210, 7.4598** is the 20% darker color. If you saturate the color by 10%, you get **75.3234, 89.4274, 13.2912**, and if you desaturate by 10%, it is **76.0027, 90.1307, 15.5377**.

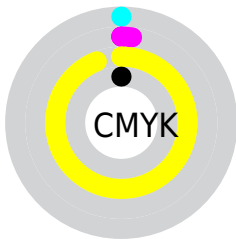
Distribution



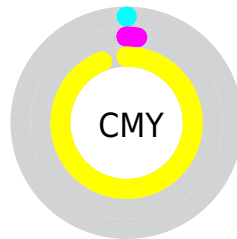
- Red (100%)
- Green (98%)
- Blue (6%)



- Red (8%)
- Yellow (100%)
- Blue (6%)



- Cyan (0%)
- Magenta (2%)
- Yellow (94%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.5191, 89.6686, 13.8177 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 75.5191, 89.6686, 13.8177 by changing the saturation by 10% instead.


 75.5191, 89.6686,
13.8177

 75.5191, 89.6686,
13.8177


468.6696,
526.9522, 227.4826


 56.3339, 67.7058,
7.8567


 126.0309,
146.8780, 33.4777


 40.7088, 49.6584,
3.9169


 158.0882,
182.8934, 48.0137


 28.2783, 35.1421,
1.5799


 195.1670,
224.3617, 66.2452

 18.6770, 23.7723,
0.2764

 237.6325,
271.6675, 88.5906

 11.5398, 15.1648,
0.0000

 285.8502,
325.1950, 115.4685

 6.5011, 8.9351,
0.0000

340.1854,

 3.1956, 4.6989,

385.3287, 147.2974

0.0000

401.0034,
452.4530, 184.4960

■ 1.2580, 2.0717,
0.0000

■ 0.1515, 0.6486,
0.0000

■ 75.5191, 89.6686,
13.8177

■ 75.5191, 89.6686,
13.8177

■ 75.3234, 89.4274,
13.2912

■ 76.0027, 90.1307,
15.5377

■ 76.7734, 90.7049,
18.7760

■ 77.8811, 91.4147,
23.7867

■ 79.3650, 92.2758,
30.7763

■ 81.2590, 93.3016,
39.9230

■ 83.5931, 94.5043,
51.3851

■ 86.3946, 95.8946,
65.3063

■ 89.6886, 97.4827,
81.8183

■ 93.4983, 99.2778,
101.0437

Harmonies

Analogous

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



101.9551, 89.6686, 15.0261



75.5191, 89.6686, 13.8177



56.1241, 89.6686, 24.9604

Triad

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



75.5191, 89.6686, 13.8177



53.0583, 89.6686, 227.1049



142.0491, 89.6686, 150.0020

Complementary

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



75.5191, 89.6686, 13.8177



18.5326, 7.8674, 95.1487

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.



122.9714, 89.6686, 248.4907



75.5191, 89.6686, 13.8177



70.4372, 89.6686, 306.4185

Square

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



75.5191, 89.6686, 13.8177



45.0340, 89.6686, 129.5174



95.7338, 89.6686, 315.7850



144.1830, 89.6686, 71.4659

Rectangle

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



75.5191, 89.6686, 13.8177



48.3574, 89.6686, 44.2015



95.7338, 89.6686, 315.7850



137.2485, 89.6686, 182.6361

Sweetspot

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



75.5211, 89.6728, 13.8195



85.1359, 95.2760, 59.0308



41.5902, 21.6972, 2.8598



17.9703, 20.2671, 11.3832



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.



75.5211, 89.6728, 13.8195



75.3241, 89.4282, 13.2914



47.2643, 77.4394, 12.9475



19.5268, 21.0217, 19.1728



39.3732, 46.7577, 6.9499



3.8436, 4.5725, 0.6800

Inverse Universe

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



18.5326, 7.8674, 95.1487



18.1078, 7.3356, 95.0693



27.0698, 12.1456, 95.5245



17.0334, 17.4385, 22.7182



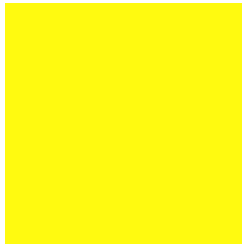
9.4749, 3.8593, 49.6801



0.9328, 0.3962, 4.8406

Previews

White Background



This preview shows how the XYZ color 75.5191, 89.6686, 13.8177 looks on a white background.

Color Contrast Check

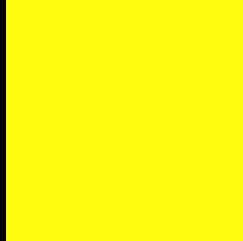
Large Text (above 18pt) WCAG AA × Fail

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 75.5191, 89.6686, 13.8177 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 75.5191, 89.6686, 13.8177

Background



This preview shows how black text looks on a background with the XYZ color 75.5191, 89.6686, 13.8177.



This preview shows how white text looks on a background with the XYZ color 75.5191, 89.6686,

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



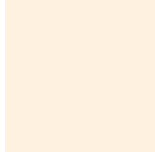
Original Color

75.5191, 89.6686, 13.8177



Protanopia

83.3686, 89.3924, 65.6838



Deuteranopia

86.1498, 89.5524, 83.2658



Tritanopia

88.7411, 89.6468, 99.8152

Trichromacy



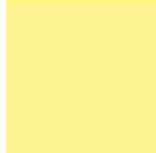
Original Color

75.5191, 89.6686, 13.8177



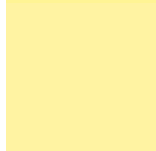
Protanomaly

78.2925, 88.8102, 34.4884



Deuteranomaly

78.9360, 88.0995, 40.8615



Tritanomaly

79.8122, 87.9698, 46.9557

Monochromacy



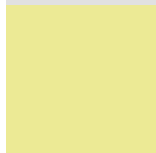
Original Color

75.5191, 89.6686, 13.8177



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.4397, 78.8484, 39.9932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.5191, 89.6686, 13.8177 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, 250, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 16)  
}
```

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, 250, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 16) }
```

Border

The CSS property to change the border of an element to XYZ 75.5191, 89.6686, 13.8177 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, 250, 16) }
```


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

```
.border{ border-color:rgb(255, 250, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 75.5191, 89.6686, 13.8177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 16) }
```

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

```
.background{ background-color: rgb(255,  
250, 16) }
```

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