

Converting Colors

XYZ(95.0470, 100.0000,
20.1061)

Have a look what the booklet for
XYZ(95.0470, 100.0000, 20.1061)
contains.

XYZ(76.8427, 90.6966, 19.2505)	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(76.8427, 90.6966,
19.2505)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFB46
RGB	255, 251, 70
RGB Percent	100%, 98%, 27%
CMY	0.0000, 0.0157, 0.7255
CMYK	0.00, 0.02, 0.73, 0.00
HSL	59°, 100%, 64%
HSV	59°, 73%, 100%
XYZ	76.8427, 90.6966, 19.2505
YIQ	231.5620, 60.4850, -55.4430

Conversions

Conversions Part 2

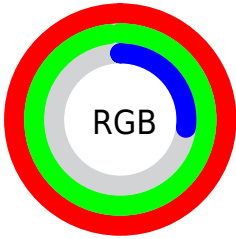
Format	Color
R _Y B	74, 255, 70
Decimal	16776006
CIE Lab	96.28, -18.20, 81.34
CIE LCh	96, 83.354, 102.609
Yxy	90.6966, 0.4114, 0.4856
Android (android.graphics.Color)	4294966086 (0xFFFFFB46)
YUV	231.5620, -79.6501, 20.5551
Hunter-Lab	95.2348, -22.6334, 54.6796

Details

The XYZ color **76.8427, 90.6966, 19.2505** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **23.0249, 13.4198, 95.9838**, and the grayscale version is **76.9214, 80.9273, 88.1299**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **41.7632, 50.4995, 7.5462** is the 20% darker color. If you saturate the color by 10%, you get **76.0316, 90.1009, 15.8171**, and if you desaturate by 10%, it is **77.9999, 91.4384, 24.4860**.

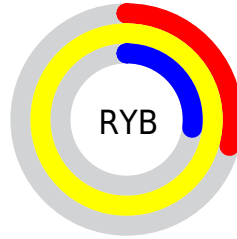
Distribution



Red (100%)

Green (98%)

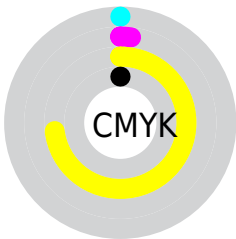
Blue (27%)



Red (29%)

Yellow (100%)

Blue (27%)

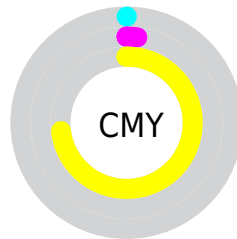


Cyan (0%)

Magenta (2%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8427, 90.6966, 19.2505 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 76.8427, 90.6966, 19.2505 by changing the saturation by 10% instead.

76.8427, 90.6966,
19.2505

76.8427, 90.6966,
19.2505

473.1277,
530.2943, 260.2968

57.4233, 68.5585,
11.6728

127.8914,
148.3056, 42.9993

41.5866, 50.3523,
6.4015

160.2514,
184.5454, 60.0074

28.9674, 35.6934,
3.0180

197.6557,
226.2545, 80.9961

19.2003, 24.1975,
1.1038

240.4695,
273.8174, 106.3839

11.9200, 15.4802,
0.0000

289.0582,
327.6184, 136.5893

6.7610, 9.1571,
0.0000

343.7873,

3.3581, 4.8438,

388.0419, 172.0309

0.0000

405.0220,
455.4724, 213.1273

■ 1.3458, 2.1559,
0.0000

■ 0.2171, 0.6958,
0.0000

■ 76.8427, 90.6966,
19.2505

■ 76.8427, 90.6966,
19.2505

■ 76.0316, 90.1009,
15.8171

■ 77.9999, 91.4384,
24.4860

■ 75.5138, 89.6199,
13.9348

■ 79.5355, 92.3289,
31.7206

■ 75.2690, 89.3183,
13.2731

■ 81.4849, 93.3857,
41.1318

■ 83.8778, 94.6208,
52.8758

■ 86.7411, 96.0448,
67.0949

■ 90.0998, 97.6677,
83.9196

■ 93.9768, 99.4988,
103.4715

■ 95.0497, 99.9999,
108.9000

Harmonies

Analogous

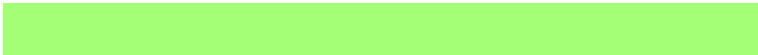
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



100.2139, 90.6966, 20.1916



76.8427, 90.6966, 19.2505



59.4308, 90.6966, 31.4794

Triad

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



76.8427, 90.6966, 19.2505



57.4034, 90.6966, 212.7247



136.0757, 90.6966, 141.9961

Complementary

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



76.8427, 90.6966, 19.2505



23.0249, 13.4198, 95.9838

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.



120.0092, 90.6966, 225.5265



76.8427, 90.6966, 19.2505



73.5654, 90.6966, 277.3434

Square

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



76.8427, 90.6966, 19.2505



49.6352, 90.6966, 129.2972



96.2971, 90.6966, 282.8633



137.3840, 90.6966, 73.4434

Rectangle

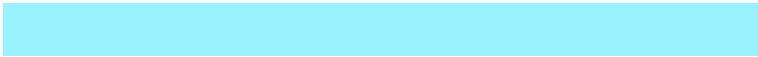
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.8427, 90.6966, 19.2505



52.3975, 90.6966, 50.9258



96.2971, 90.6966, 282.8633



132.1056, 90.6966, 169.8294

Sweetspot

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



76.8448, 90.7008, 19.2524



86.9122, 96.1288, 67.9459



44.7409, 26.1653, 9.5614



18.4248, 20.4881, 13.6557



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.



76.8448, 90.7008, 19.2524



75.7682, 89.8739, 14.8039



53.1568, 80.3603, 18.5049



19.5256, 21.0195, 19.1724



39.3451, 46.7015, 6.9406



3.8412, 4.5677, 0.6792

Inverse Universe

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



23.0249, 13.4198, 95.9838



19.3731, 8.9281, 95.3100



34.0160, 18.7027, 96.4243



17.0344, 17.4405, 22.7185



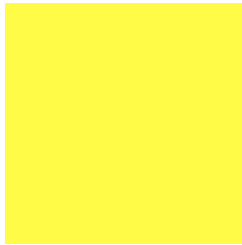
9.4763, 3.8622, 49.6806



0.9332, 0.3972, 4.8407

Previews

White Background



This preview shows how the XYZ color 76.8427, 90.6966, 19.2505 looks on a white background.

Color Contrast Check

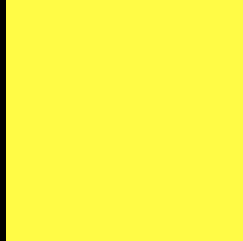
Large Text (above 18pt) WCAG AA × Fail

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 76.8427, 90.6966, 19.2505 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 76.8427, 90.6966, 19.2505

Background



This preview shows how black text looks on a background with the XYZ color 76.8427, 90.6966, 19.2505.



This preview shows how white text looks on a background with the XYZ color 76.8427, 90.6966,

Color Blindness Simulation

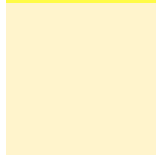
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



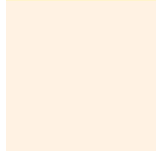
Original Color

76.8427, 90.6966, 19.2505



Protanopia

84.4898, 90.3210, 70.1073



Deuteranopia

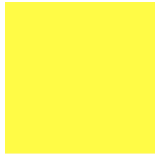
86.8573, 90.3103, 85.5268



Tritanopia

89.3434, 90.3575, 101.5388

Trichromacy



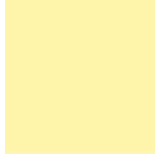
Original Color

76.8427, 90.6966, 19.2505



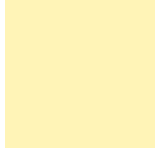
Protanomaly

80.4172, 90.1481, 44.1722



Deuteranomaly

81.1481, 89.4671, 51.0221



Tritanomaly

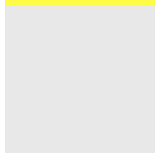
82.1379, 89.3803, 57.7227

Monochromacy



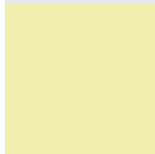
Original Color

76.8427, 90.6966, 19.2505



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.3445, 83.2754, 51.6905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8427, 90.6966, 19.2505 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, 251, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 70)  
}
```

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, 251, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 70) }
```

Border

The CSS property to change the border of an element to XYZ 76.8427, 90.6966, 19.2505 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, 251, 70) }
```


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

```
.border{ border-color:rgb(255, 251, 70) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8427, 90.6966, 19.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 70) }
```

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

```
.background{ background-color: rgb(255,  
251, 70) }
```

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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