

Converting Colors

XYZ(75.8916, 90.9475, 28.0227)

Have a look what the booklet for
XYZ(75.8916, 90.9475, 28.0227)
contains.

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Color

**XYZ(75.8916, 90.9475,
28.0227)**

Conversions

Conversions Part 1

Format	Color
Hex	F6FD6D
RGB	246, 253, 109
RGB Percent	96%, 99%, 43%
CMY	0.0353, 0.0078, 0.5725
CMYK	0.03, 0.00, 0.57, 0.01
HSL	63°, 97%, 71%
HSV	63°, 57%, 99%
XYZ	75.8916, 90.9475, 28.0227
YIQ	234.4910, 42.0520, -46.2680

Conversions

Conversions Part 2

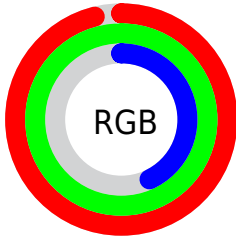
Format	Color
RYB	109, 253, 116
Decimal	16186733
CIELab	96.39, -20.57, 66.56
CIELCh	96, 69.662, 107.175
Yxy	90.9475, 0.3895, 0.4667
Android (android.graphics.Color)	4294376813 (0xFFF6FD6D)
YUV	234.4910, -61.8671, 10.0934
Hunter-Lab	95.3664, -24.8427, 49.3346

Details

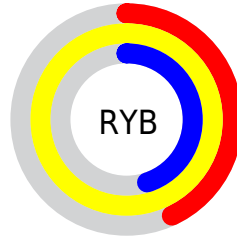
The XYZ color **75.8916, 90.9475, 28.0227** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.4037, 21.7442, 95.5286**, and the grayscale version is **79.0135, 83.1284, 90.5268**.

A 20% lighter version of the original color is **83.7915, 95.4966, 49.6137**, and **41.0796, 50.7452, 10.8785** is the 20% darker color. If you saturate the color by 10%, you get **74.2914, 90.2610, 21.8333**, and if you desaturate by 10%, it is **77.8909, 91.8006, 36.2799**.

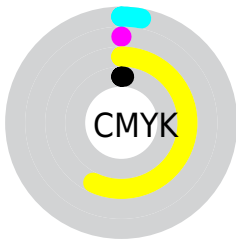
Distribution



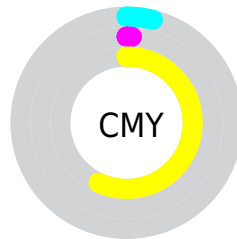
- Red (96%)
- Green (99%)
- Blue (43%)



- Red (43%)
- Yellow (99%)
- Blue (45%)



- Cyan (3%)
- Magenta (0%)
- Yellow (57%)
- Black (1%)





- Cyan (4%)
- Magenta (1%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8916, 90.9475, 28.0227 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 75.8916, 90.9475, 28.0227 by changing the saturation by 10% instead.


 75.8916, 90.9475,
28.0227

 75.8916, 90.9475,
28.0227


469.9266,
531.1082, 306.4907


 56.6404, 68.7668,
18.1036


 126.5548,
148.6538, 57.5442

 40.9556, 50.5218,
10.8542


 158.6976,
184.9482, 77.9837

 28.4719, 35.8282,
5.8559

 195.8681,
226.7159, 102.7670

 18.8240, 24.3015,
2.6903

238.4320,
274.3413, 132.3128

 11.6464, 15.5574,
0.9385

286.7544,
328.2089, 167.0395

 6.5739, 9.2115,
0.0000

341.2007,

 3.2410, 4.8794,

388.7030, 207.3657

0.0000

402.1364,
456.2079, 253.7099

■ 1.2825, 2.1767,
0.0000

■ 0.1700, 0.7072,
0.0000

■ 75.8916, 90.9475,
28.0227

■ 75.8916, 90.9475,
28.0227

■ 74.2914, 90.2610,
21.8333

■ 77.8909, 91.8006,
36.2799

■ 73.0492, 89.7147,
17.5235


■ 80.3134, 92.8200,
46.7601


■ 72.1264, 89.2966,
14.8809


■ 83.1888, 94.0208,
59.6103

■ 71.4713, 88.9858,
13.6331


■ 86.5423, 95.4133,
74.9633

 71.2991, 88.9019,
13.4019

 90.3973, 97.0067,
92.9420

 93.8261, 98.4299,
108.6615

 94.2767, 98.6622,
108.6825

 94.4174, 98.7347,
108.6891

Harmonies

Analogous

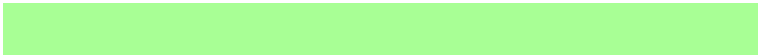
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.9874, 90.9475, 27.1278



75.8916, 90.9475, 28.0227



61.8748, 90.9475, 42.7238

Triad

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



75.8916, 90.9475, 28.0227



63.4907, 90.9475, 199.8282



128.1413, 90.9475, 124.6746

Complementary

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



75.8916, 90.9475, 28.0227



30.4037, 21.7442, 95.5286

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.



116.7804, 90.9475, 190.8116



75.8916, 90.9475, 28.0227



78.4267, 90.9475, 243.9326

Square

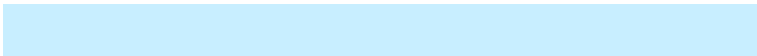
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8916, 90.9475, 28.0227



55.4848, 90.9475, 134.0314



97.9294, 90.9475, 240.1248



127.1909, 90.9475, 70.7177

Rectangle

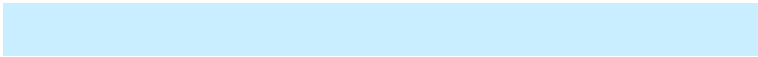
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8916, 90.9475, 28.0227



56.4254, 90.9475, 63.1061



97.9294, 90.9475, 240.1248



125.5717, 90.9475, 146.5017

Sweetspot

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



75.8937, 90.9517, 28.0246



88.0677, 97.1179, 76.1601



49.2662, 33.9786, 18.4311



18.6948, 20.7229, 15.5850



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.



75.8937, 90.9517, 28.0246



75.4714, 91.8178, 21.6479



55.8389, 80.6130, 27.0860



19.4687, 21.0431, 19.1799



37.9635, 47.3090, 7.1307



3.7222, 4.6196, 0.6955

Inverse Universe

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



30.4037, 21.7442, 95.5286



25.2573, 15.3700, 96.2432



43.4022, 28.4452, 96.1370



17.0847, 17.4199, 22.7119



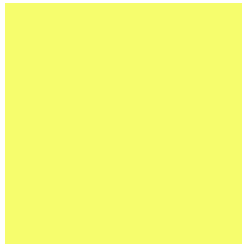
9.5480, 3.8327, 49.6711



0.9571, 0.3873, 4.8376

Previews

White Background



This preview shows how the XYZ color 75.8916, 90.9475, 28.0227 looks on a white background.

Color Contrast Check

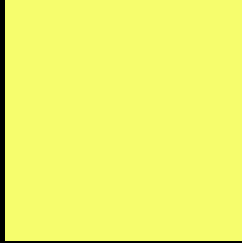
Large Text (above 18pt) WCAG AA × Fail

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 75.8916, 90.9475, 28.0227 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 75.8916, 90.9475, 28.0227

Background



This preview shows how black text looks on a background with the XYZ color 75.8916, 90.9475, 28.0227.



This preview shows how white text looks on a background with the XYZ color 75.8916, 90.9475,

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



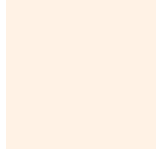
Original Color

75.8916, 90.9475, 28.0227



Protanopia

84.7313, 90.4176, 71.3790



Deuteranopia

87.1350, 90.4214, 86.9893



Tritanopia

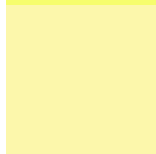
89.9708, 90.6085, 104.8427

Trichromacy



Original Color

75.8916, 90.9475, 28.0227



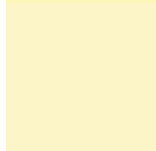
Protanomaly

80.7563, 90.1572, 51.6739



Deuteranomaly

81.8576, 90.1098, 58.9775



Tritanomaly

83.2226, 90.1704, 67.6619

Monochromacy



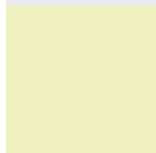
Original Color

75.8916, 90.9475, 28.0227



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.9005, 84.7619, 60.5044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8916, 90.9475, 28.0227 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(246, 253, 109)` looks like.

```
.text, #text, p{  
    color:rgb(246, 253, 109)  
}
```

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(246, 253, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 253, 109) }
```

Border

The CSS property to change the border of an element to XYZ 75.8916, 90.9475, 28.0227 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(246, 253, 109) }
```


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

```
.border{ border-color:rgb(246, 253, 109) }
```

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

Here you see how a box with a 4 pixel rgb(246, 253, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 253, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 253, 109);  
box-shadow:4px 4px 4px 4px rgb(246, 253,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8916, 90.9475, 28.0227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 253, 109) }
```

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

```
.background{ background-color: rgb(246,  
253, 109) }
```

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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