

Converting Colors

XYZ(57.6946, 77.2662, 23.0232)

Have a look what the booklet for
XYZ(57.6946, 77.2662, 23.0232)
contains.

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Color

**XYZ(57.4506, 76.9515,
22.8915)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F360
RGB	198, 243, 96
RGB Percent	78%, 95%, 38%
CMY	0.2235, 0.0470, 0.6235
CMYK	0.19, 0.00, 0.60, 0.05
HSL	78°, 86%, 66%
HSV	78°, 60%, 95%
XYZ	57.4506, 76.9515, 22.8915
YIQ	212.7870, 20.3670, -55.2570

Conversions

Conversions Part 2

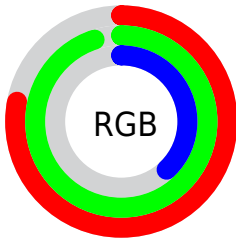
Format	Color
R _Y B	96, 243, 141
Decimal	13038432
CIE Lab	90.30, -35.43, 64.35
CIE LCh	90, 73.461, 118.837
Yxy	76.9515, 0.3652, 0.4892
Android (android.graphics.Color)	4291228512 (0xFFC6F360)
YUV	212.7870, -57.5760, -12.9682
Hunter-Lab	87.7220, -36.6109, 45.9334

Details

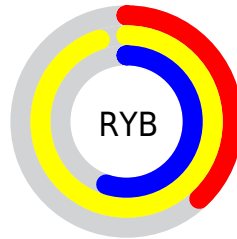
The XYZ color **57.4506, 76.9515, 22.8915** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.3481, 20.5016, 87.1035**, and the grayscale version is **63.4684, 66.7737, 72.7166**.

A 20% lighter version of the original color is **82.6675, 95.0470, 43.6946**, and **29.0888, 41.3369, 8.1960** is the 20% darker color. If you saturate the color by 10%, you get **54.5876, 75.5880, 17.7932**, and if you desaturate by 10%, it is **60.7593, 78.5098, 29.8181**.

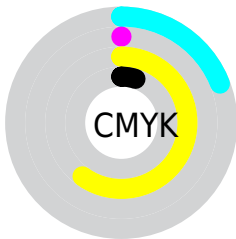
Distribution



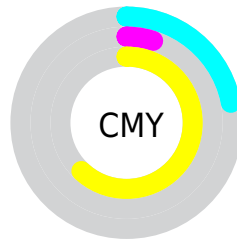
- Red (78%)
- Green (95%)
- Blue (38%)



- Red (38%)
- Yellow (95%)
- Blue (55%)



- Cyan (19%)
- Magenta (0%)
- Yellow (60%)
- Black (5%)



- Cyan (22%)
- Magenta (5%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.4506, 76.9515, 22.8915 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 57.4506, 76.9515, 22.8915 by changing the saturation by 10% instead.

■ 57.4506, 76.9515,
22.8915

■ 57.4506, 76.9515,
22.8915

405.1226,
484.5987, 280.2711

■ 41.6087, 57.2131,
14.3089

■ 100.2499,
129.0710, 49.1360

■ 28.9848, 41.1763,
8.1946

■ 127.9381,
162.2209, 67.6350

■ 19.2135, 28.4569,
4.1302

■ 160.3056,
200.6100, 90.2766

■ 11.9296, 18.6704,
1.6970

■ 197.7180,
244.6229, 117.4791

■ 6.7676, 11.4323,
0.3587

240.5405,
294.6437, 149.6614

■ 3.3622, 6.3584,
0.0000

289.1386,

■ 1.3481, 3.0642,

351.0571, 187.2417

0.0000

343.8774,
414.2472, 230.6388

■ 0.2188, 1.1654,
0.0000

■ 0.0000, 0.0331,
0.0000

■ 57.4506, 76.9515,
22.8915

■ 57.4506, 76.9515,
22.8915

■ 54.5876, 75.5880,
17.7932

■ 60.7593, 78.5098,
29.8181

■ 52.1305, 74.3951,
14.3443


■ 64.5384, 80.2649,
38.7200


■ 50.0402, 73.3597,
12.3385


■ 68.8169, 82.2312,
49.7351


■ 48.3302, 72.4962,
11.4459

■ 73.6196, 84.4187,
62.9874

 78.9695, 86.8369,
78.5912

 84.8882, 89.4944,
96.6533

 89.5549, 91.6632,
107.5805

 91.3423, 92.5846,
107.6641

Harmonies

Analogous

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



73.8564, 76.9515, 18.0312



57.4506, 76.9515, 22.8915



46.9781, 76.9515, 41.7172

Triad

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



57.4506, 76.9515, 22.8915



56.4043, 76.9515, 202.9501



114.2515, 76.9515, 85.8485

Complementary

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



57.4506, 76.9515, 22.8915



31.3481, 20.5016, 87.1035

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.



107.5619, 76.9515, 147.4845



57.4506, 76.9515, 22.8915



72.4285, 76.9515, 230.2765

Square

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



57.4506, 76.9515, 22.8915



46.4487, 76.9515, 142.3815



91.4538, 76.9515, 206.6603



108.4878, 76.9515, 43.9818

Rectangle

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



57.4506, 76.9515, 22.8915



43.7705, 76.9515, 65.7562



91.4538, 76.9515, 206.6603



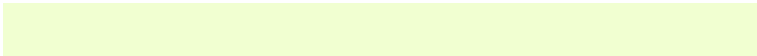
113.3675, 76.9515, 104.8451

Sweetspot

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



57.4524, 76.9549, 22.8931



83.5386, 94.8199, 74.2856



48.4691, 38.6871, 15.9802



17.5235, 20.1334, 14.8800



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.



57.4524, 76.9549, 22.8931



60.1203, 83.9547, 18.6420



42.6805, 69.3397, 22.2018



17.3921, 19.0442, 17.5568



26.6678, 39.8606, 6.2883



2.4483, 3.5572, 0.5576

Inverse Universe

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



31.3481, 20.5016, 87.1035



28.7498, 15.8814, 96.1579



47.9784, 29.0748, 87.8818



16.0583, 16.1727, 20.8178



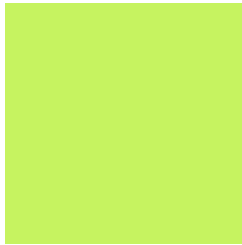
10.5658, 4.4212, 46.8345



1.0290, 0.4403, 4.1210

Previews

White Background



This preview shows how the XYZ color 57.4506, 76.9515, 22.8915 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 57.4506, 76.9515, 22.8915 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 57.4506, 76.9515, 22.8915

Background



This preview shows how black text looks on a background with the XYZ color 57.4506, 76.9515, 22.8915.

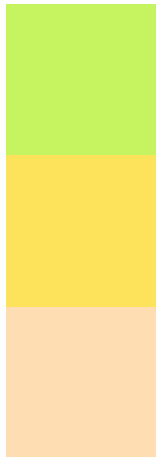


This preview shows how white text looks on a background with the XYZ color 57.4506, 76.9515,

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

57.4506, 76.9515, 22.8915

Protanopia

69.5023, 76.3889, 20.9789

Deuteranopia

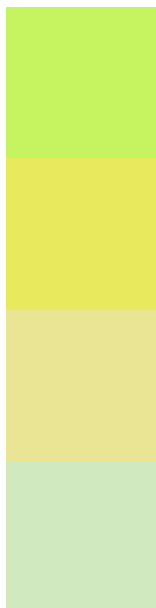
75.1323, 76.1873, 52.8652



Tritanopia

72.6969, 76.7396, 98.1695

Trichromacy



Original Color

57.4506, 76.9515, 22.8915

Protanomaly

64.3934, 76.2239, 21.6747

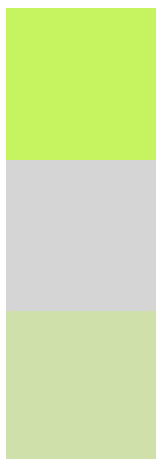
Deuteranomaly

67.2963, 75.6692, 39.0757

Tritanomaly

64.8374, 75.5947, 60.4642

Monochromacy



Original Color

57.4506, 76.9515, 22.8915

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

59.9238, 69.6235, 48.3106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.4506, 76.9515, 22.8915 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(198, 243, 96)` looks like.

```
.text, #text, p{  
    color:rgb(198, 243, 96)  
}
```

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(198, 243, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 243, 96) }
```

Border

The CSS property to change the border of an element to XYZ 57.4506, 76.9515, 22.8915 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(198, 243, 96) }
```


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

```
.border{ border-color:rgb(198, 243, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 243, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 243, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 243, 96);  
box-shadow:4px 4px 4px 4px rgb(198, 243,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 57.4506, 76.9515, 22.8915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 243, 96) }
```

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

```
.background{ background-color: rgb(198,  
243, 96) }
```

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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