

Converting Colors

XYZ(58.6900, 74.9682, 22.4434)

Have a look what the booklet for
XYZ(58.6900, 74.9682, 22.4434)
contains.

XYZ(58.6900, 74.9682, 22.4434)	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(58.6900, 74.9682,
22.4434)**

Conversions

Conversions Part 1

Format	Color
Hex	D1ED60
RGB	209, 237, 96
RGB Percent	82%, 93%, 38%
CMY	0.1804, 0.0706, 0.6235
CMYK	0.12, 0.00, 0.59, 0.07
HSL	72°, 80%, 65%
HSV	72°, 59%, 93%
XYZ	58.6900, 74.9682, 22.4434
YIQ	212.5540, 28.5730, -49.7870

Conversions

Conversions Part 2

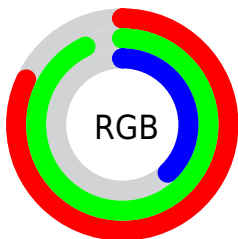
Format	Color
RYB	96, 237, 124
Decimal	13757792
CIELab	89.38, -28.44, 63.54
CIELCh	89, 69.619, 114.113
Yxy	74.9682, 0.3760, 0.4803
Android (android.graphics.Color)	4291947872 (0xFFD1ED60)
YUV	212.5540, -57.4611, -3.1169
Hunter-Lab	86.5842, -30.5283, 45.2404

Details

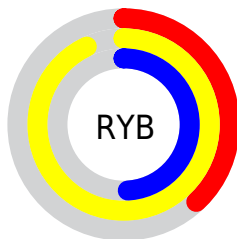
The XYZ color **58.6900, 74.9682, 22.4434** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **27.7839, 18.7672, 82.2833**, and the grayscale version is **63.3078, 66.6047, 72.5325**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **29.8226, 39.8631, 7.9562** is the 20% darker color. If you saturate the color by 10%, you get **56.4475, 73.9223, 17.4763**, and if you desaturate by 10%, it is **61.3043, 76.1727, 29.1473**.

Distribution



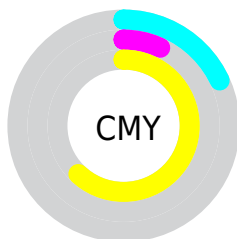
- Red (82%)
- Green (93%)
- Blue (38%)



- Red (38%)
- Yellow (93%)
- Blue (49%)



- Cyan (12%)
- Magenta (0%)
- Yellow (59%)
- Black (7%)



- Cyan (18%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.6900, 74.9682, 22.4434 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 58.6900, 74.9682, 22.4434 by changing the saturation by 10% instead.

■ 58.6900, 74.9682,
22.4434

■ 58.6900, 74.9682,
22.4434

409.6647,
477.8083, 277.8818

■ 42.6090, 55.5868,
13.9816

■ 102.0442,
126.2673, 48.3893

■ 29.7717, 39.8718,
7.9693

■ 130.0481,
158.9539, 66.7105

■ 19.8125, 27.4386,
3.9878

■ 162.7571,
196.8444, 89.1553

■ 12.3663, 17.9029,
1.6187

■ 200.5364,
240.3230, 116.1422

■ 7.0676, 10.8803,
0.3041

243.7515,
289.7744, 148.0898

■ 3.5511, 5.9864,
0.0000

292.7676,

■ 1.4515, 2.8368,

345.5828, 185.4166

0.0000

347.9503,
408.1326, 228.5411

0.2925, 1.0471,
0.0000

0.0000, 0.0000,
0.0000

58.6900, 74.9682,
22.4434

58.6900, 74.9682,
22.4434

56.4475, 73.9223,
17.4763

61.3043, 76.1727,
29.1473

54.5405, 73.0124,
14.0802


64.3122, 77.5366,
37.7244


52.9342, 72.2272,
12.0655


67.7398, 79.0730,
48.3030

51.5701, 71.5434,
11.1257

71.6094, 80.7909,
60.9988


 51.5038, 71.5100,
11.0883

 75.9417, 82.6986,
75.9184

 80.7558, 84.8037,
93.1616

 84.9374, 86.6605,
106.8582

 86.5737, 87.5040,
106.9348

 88.2519, 88.3692,
107.0133

Harmonies

Analogous

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



74.6684, 74.9682, 19.3450



58.6900, 74.9682, 22.4434



47.8699, 74.9682, 38.0531

Triad

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



58.6900, 74.9682, 22.4434



53.7230, 74.9682, 183.6939



109.0682, 74.9682, 91.6343

Complementary

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



58.6900, 74.9682, 22.4434



27.7839, 18.7672, 82.2833

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.



101.2328, 74.9682, 149.9116



58.6900, 74.9682, 22.4434



67.9473, 74.9682, 215.0654

Square

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



58.6900, 74.9682, 22.4434



45.3383, 74.9682, 126.2779



85.4964, 74.9682, 200.7207



105.5391, 74.9682, 48.9801

Rectangle

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



58.6900, 74.9682, 22.4434



44.1594, 74.9682, 58.5419



85.4964, 74.9682, 200.7207



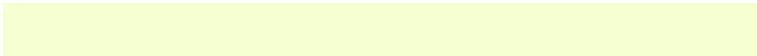
107.6419, 74.9682, 110.1016

Sweetspot

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



58.6918, 74.9716, 22.4450



85.2461, 95.7001, 74.3656



43.9802, 32.7335, 15.0676



17.9438, 20.3501, 14.8997



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.



58.6918, 74.9716, 22.4450



66.2196, 87.0799, 19.7877



43.3233, 67.0488, 21.7257



16.0418, 17.4671, 16.0447



28.2268, 39.0959, 6.0586



2.2910, 3.1084, 0.4792

Inverse Universe

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



27.7839, 18.7672, 82.2833



26.9148, 15.4202, 96.1656



41.2985, 25.7342, 82.9157



14.5106, 14.6930, 18.9935



9.0718, 3.7126, 43.9814



0.7886, 0.3308, 3.4572

Previews

White Background



This preview shows how the XYZ color 58.6900, 74.9682, 22.4434 looks on a white background.

Color Contrast Check

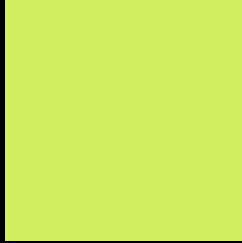
Large Text (above 18pt) WCAG AA × Fail

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 58.6900, 74.9682, 22.4434 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 58.6900, 74.9682, 22.4434

Background



This preview shows how black text looks on a background with the XYZ color 58.6900, 74.9682, 22.4434.



This preview shows how white text looks on a background with the XYZ color 58.6900, 74.9682,

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

58.6900, 74.9682, 22.4434

Protanopia

68.0118, 74.4080, 20.9028

Deuteranopia

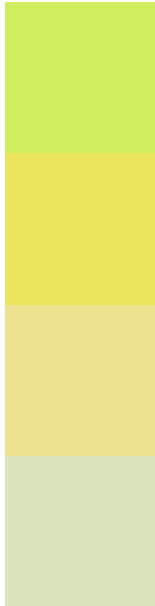
73.6621, 74.3431, 48.9953



Tritanopia

72.9008, 74.5414, 92.9837

Trichromacy



Original Color

58.6900, 74.9682, 22.4434

Protanomaly

64.2560, 74.4911, 21.3475

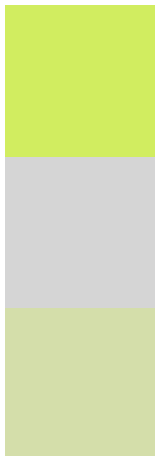
Deuteranomaly

67.2192, 74.0412, 37.1341

Tritanomaly

65.7596, 73.6291, 58.3229

Monochromacy



Original Color

58.6900, 74.9682, 22.4434

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

60.5284, 69.1419, 48.1857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6900, 74.9682, 22.4434 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(209, 237, 96)` looks like.

```
.text, #text, p{  
    color:rgb(209, 237, 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(209, 237, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 237, 96) }
```

Border

The CSS property to change the border of an element to XYZ 58.6900, 74.9682, 22.4434 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(209, 237, 96) }
```


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

```
.border{ border-color:rgb(209, 237, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 237, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 237, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 237, 96);  
box-shadow:4px 4px 4px 4px rgb(209, 237,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6900, 74.9682, 22.4434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 237, 96) }
```

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

```
.background{ background-color: rgb(209,  
237, 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](#).

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