

Converting Colors

XYZ(22.2843, 35.1888, 16.0767)

Have a look what the booklet for
XYZ(22.2843, 35.1888, 16.0767)
contains.

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Color

**XYZ(22.2157, 35.1544,
15.9705)**

Conversions

Conversions Part 1

Format	Color
Hex	59B35D
RGB	89, 179, 93
RGB Percent	35%, 70%, 36%
CMY	0.6510, 0.2980, 0.6353
CMYK	0.50, 0.00, 0.48, 0.30
HSL	123°, 37%, 53%
HSV	123°, 50%, 70%
XYZ	22.2157, 35.1544, 15.9705
YIQ	142.2860, -26.0340, -45.8260

Conversions

Conversions Part 2

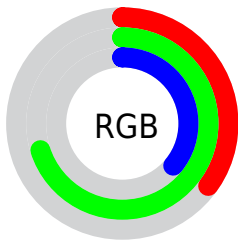
Format	Color
RYB	89, 175, 179
Decimal	5878621
CIELab	65.87, -44.89, 35.68
CIELCh	66, 57.339, 141.521
Yxy	35.1544, 0.3029, 0.4793
Android (android.graphics.Color)	4284068701 (0xFF59B35D)
YUV	142.2860, -24.2980, -46.7318
Hunter-Lab	59.2911, -36.8776, 25.5336

Details

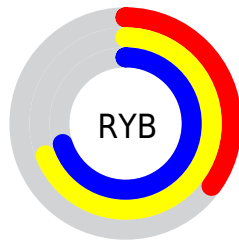
The XYZ color **22.2157, 35.1544, 15.9705** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.9017, 19.8242, 42.8088**, and the grayscale version is **25.9259, 27.2761, 29.7036**.

A 20% lighter version of the original color is **46.4962, 67.4807, 37.3625**, and **8.2671, 15.0960, 4.8610** is the 20% darker color. If you saturate the color by 10%, you get **20.0277, 34.1054, 12.3463**, and if you desaturate by 10%, it is **24.9926, 36.4894, 20.5083**.

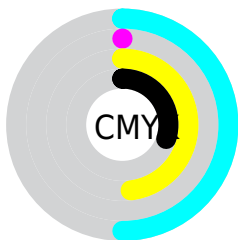
Distribution



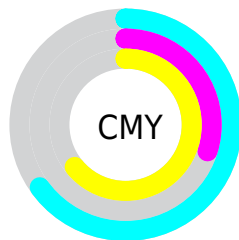
- Red (35%)
- Green (70%)
- Blue (36%)



- Red (35%)
- Yellow (69%)
- Blue (70%)



- Cyan (50%)
- Magenta (0%)
- Yellow (48%)
- Black (30%)



- Cyan (65%)
- Magenta (30%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2157, 35.1544, 15.9705 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 22.2157, 35.1544, 15.9705 by changing the saturation by 10% instead.

■ 22.2157, 35.1544,
15.9705

■ 22.2157, 35.1544,
15.9705

256.2819,
325.2493, 241.0073

■ 14.1330, 23.7818,
9.3492

■ 46.5784, 67.7249,
37.3131

■ 8.2955, 15.1719,
4.8697

■ 63.5892, 89.6916,
52.8714

■ 4.3380, 8.9401,
2.1136

■ 84.3066, 115.9585,
72.2457

■ 1.8951, 4.7021,
0.6239

■ 109.0961,
146.9099, 95.8547

■ 0.5740, 2.0736,
0.0000

138.3230,
182.9304, 124.1168

■ 0.0000, 0.6497,
0.0000

172.3527,

■ 0.0000, 0.0000,

224.4041, 157.4506

0.0000

211.5506,
271.7157, 196.2746

■ 22.2157, 35.1544,
15.9705

■ 22.2157, 35.1544,
15.9705

■ 20.0277, 34.1054,
12.3463

■ 24.9926, 36.4894,
20.5083

■ 18.3836, 33.3176,
9.5717

■ 28.3938, 38.1245,
26.0132

■ 17.2365, 32.7692,
7.5780

■ 32.4551, 40.0780,
32.5375

■ 16.5302, 32.4329,
6.2853

■ 37.2088, 42.3655,
40.1290

■ 16.1644, 32.2591,
5.6032

■ 42.6850, 45.0016,
48.8325

■ 48.9122, 48.0001,
58.6904

■ 55.9173, 51.3740,
69.7425

■ 63.7257, 55.1356,
82.0271

■ 72.3619, 59.2966,
95.5805

Harmonies

Analogous

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



27.7872, 35.1544, 9.2156



22.2157, 35.1544, 15.9705



19.7538, 35.1544, 31.8030

Triad

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



22.2157, 35.1544, 15.9705



31.0687, 35.1544, 105.4337



50.9712, 35.1544, 23.5884

Complementary

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



22.2157, 35.1544, 15.9705



29.9017, 19.8242, 42.8088

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.



52.2506, 35.1544, 45.5752



22.2157, 35.1544, 15.9705



39.7515, 35.1544, 100.1365

Square

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



22.2157, 35.1544, 15.9705



24.2687, 35.1544, 87.6375



47.8545, 35.1544, 75.2566



44.6071, 35.1544, 12.1419

Rectangle

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



22.2157, 35.1544, 15.9705



19.8598, 35.1544, 48.3702



47.8545, 35.1544, 75.2566



52.0486, 35.1544, 29.6959

Sweetspot

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



22.2166, 35.1559, 15.9713



62.2447, 73.7582, 64.8613



35.8293, 42.1934, 15.7070



13.4033, 16.1549, 13.7516



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.2166, 35.1559, 15.9713



35.6193, 60.9602, 21.6962



24.7562, 36.1717, 29.3448



8.4038, 9.4960, 9.1200



11.4285, 22.7974, 3.9933



0.3646, 0.7193, 0.1522

Inverse Universe

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



29.9017, 19.8242, 42.8088



50.9017, 30.4446, 75.0439



26.2605, 18.3677, 23.6346



8.8334, 8.6401, 10.6210



18.3405, 8.8538, 28.0168



0.5820, 0.2806, 0.9077

Previews

White Background



This preview shows how the XYZ color 22.2157, 35.1544, 15.9705 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 22.2157, 35.1544, 15.9705 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 22.2157, 35.1544, 15.9705

Background



This preview shows how black text looks on a background with the XYZ color 22.2157, 35.1544, 15.9705.



This preview shows how white text looks on a background with the XYZ color 22.2157, 35.1544,

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

22.2157, 35.1544, 15.9705

Protanopia

31.7570, 34.5821, 13.8053

Deuteranopia

35.2667, 34.5830, 16.8730



Tritanopia

29.0419, 35.0460, 50.0336

Trichromacy



Original Color

22.2157, 35.1544, 15.9705



Protanomaly

26.9410, 33.9230, 14.5790



Deuteranomaly

28.5956, 33.6723, 16.3015



Tritanomaly

25.9281, 34.9139, 34.2267

Monochromacy



Original Color

22.2157, 35.1544, 15.9705



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.5278, 29.1089, 23.4473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2157, 35.1544, 15.9705 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(89, 179, 93)` looks like.

```
.text, #text, p{  
    color:rgb(89, 179, 93)  
}
```

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(89, 179, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 179, 93) }
```

Border

The CSS property to change the border of an element to XYZ 22.2157, 35.1544, 15.9705 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(89, 179, 93) }
```


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

```
.border{ border-color:rgb(89, 179, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 179, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 179, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 179, 93);  
box-shadow:4px 4px 4px 4px rgb(89, 179,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2157, 35.1544, 15.9705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 179, 93) }
```

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

```
.background{ background-color: rgb(89, 179,  
93) }
```

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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