

Converting Colors

XYZ(22.4800, 36.8289, 15.2130)

Have a look what the booklet for
XYZ(22.4800, 36.8289, 15.2130)
contains.

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Color

**XYZ(22.4692, 36.8246,
15.1561)**

Conversions

Conversions Part 1

Format	Color
Hex	53B858
RGB	83, 184, 88
RGB Percent	33%, 72%, 35%
CMY	0.6745, 0.2784, 0.6549
CMYK	0.55, 0.00, 0.52, 0.28
HSL	123°, 42%, 52%
HSV	123°, 55%, 72%
XYZ	22.4692, 36.8246, 15.1561
YIQ	142.8570, -29.3800, -51.2680

Conversions

Conversions Part 2

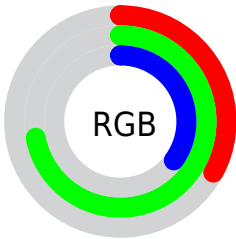
Format	Color
RYB	83, 179, 184
Decimal	5486680
CIELab	67.15, -49.22, 39.70
CIElCh	67, 63.239, 141.110
Yxy	36.8246, 0.3018, 0.4946
Android (android.graphics.Color)	4283676760 (0xFF53B858)
YUV	142.8570, -27.0445, -52.4946
Hunter-Lab	60.6833, -40.1025, 27.6702

Details

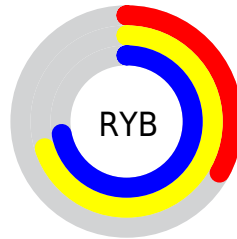
The XYZ color **22.4692, 36.8246, 15.1561** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.9981, 19.6321, 44.8041**, and the grayscale version is **26.1650, 27.5276, 29.9775**.

A 20% lighter version of the original color is **47.0041, 70.3795, 35.9182**, and **8.4451, 16.1633, 4.5084** is the 20% darker color. If you saturate the color by 10%, you get **20.4166, 35.8414, 11.7217**, and if you desaturate by 10%, it is **25.1282, 38.1024, 19.5276**.

Distribution



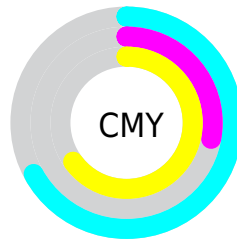
- Red (33%)
- Green (72%)
- Blue (35%)



- Red (33%)
- Yellow (70%)
- Blue (72%)



- Cyan (55%)
- Magenta (0%)
- Yellow (52%)
- Black (28%)




- Cyan (67%)
- Magenta (28%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4692, 36.8246, 15.1561 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 22.4692, 36.8246, 15.1561 by changing the saturation by 10% instead.


 22.4692, 36.8246,
15.1561


 22.4692, 36.8246,
15.1561


257.5734,
332.5505, 235.9824


 14.3206, 25.0717,
8.7812


 46.9934, 70.3029,
35.8730


 8.4272, 16.1305,
4.5039


 64.0996, 92.7972,
51.0520

 4.4236, 9.6165,
1.9056


 84.9225, 119.6407,
70.0028

 1.9444, 5.1455,
0.4963

 109.8274,
151.2178, 93.1439

 0.6025, 2.3329,
0.0000

139.1795,
187.9129, 120.8939

 0.0000, 0.7910,
0.0000

173.3443,

 0.0000, 0.0000,

230.1105, 153.6712

0.0000

212.6872,
278.1949, 191.8946

■ 22.4692, 36.8246,
15.1561

■ 22.4692, 36.8246,
15.1561

■ 20.4166, 35.8414,
11.7217

■ 25.1282, 38.1024,
19.5276

■ 18.9201, 35.1253,
9.1538

■ 28.4333, 39.6909,
24.8951

■ 17.9261, 34.6511,
7.3756

■ 32.4242, 41.6103,
31.3156

■ 17.3685, 34.3870,
6.2962

■ 37.1363, 43.8778,
38.8411

■ 17.1912, 34.3025,
5.9767

■ 42.6028, 46.5095,
47.5202

■ 48.8549, 49.5204,
57.3986

■ 55.9218, 52.9247,
68.5195

■ 63.8314, 56.7358,
80.9238

■ 72.6102, 60.9667,
94.6508

Harmonies

Analogous

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



28.7426, 36.8246, 8.1707



22.4692, 36.8246, 15.1561



19.7009, 36.8246, 32.4419

Triad

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



22.4692, 36.8246, 15.1561



32.2148, 36.8246, 118.6907



55.2869, 36.8246, 23.8599

Complementary

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



22.4692, 36.8246, 15.1561



30.9981, 19.6321, 44.8041

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.



56.6831, 36.8246, 48.8676



22.4692, 36.8246, 15.1561



42.1069, 36.8246, 112.7646

Square

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



22.4692, 36.8246, 15.1561



24.6093, 36.8246, 97.2027



51.4936, 36.8246, 83.4889



47.9694, 36.8246, 11.3520

Rectangle

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



22.4692, 36.8246, 15.1561



19.7860, 36.8246, 51.2146



51.4936, 36.8246, 83.4889



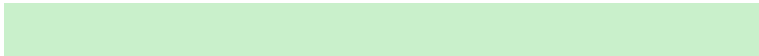
56.5114, 36.8246, 30.7152

Sweetspot

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



22.4701, 36.8261, 15.1569



66.0619, 78.9331, 68.4084



37.6736, 44.6870, 14.8235



13.8509, 16.8283, 14.1246



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.4701, 36.8261, 15.1569



36.3252, 64.6420, 20.0873



25.2145, 37.9239, 29.6087



8.9079, 10.0671, 9.6724



11.8553, 23.6431, 4.1600



0.4241, 0.8359, 0.1789

Inverse Universe

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



30.9981, 19.6321, 44.8041



53.3593, 30.2505, 79.2699



26.8997, 17.9927, 23.2218



9.3612, 9.1549, 11.2495



18.9565, 9.1564, 28.7214



0.6742, 0.3252, 1.0437

Previews

White Background



This preview shows how the XYZ color 22.4692, 36.8246, 15.1561 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 22.4692, 36.8246, 15.1561 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 22.4692, 36.8246, 15.1561

Background



This preview shows how black text looks on a background with the XYZ color 22.4692, 36.8246, 15.1561.



This preview shows how white text looks on a background with the XYZ color 22.4692, 36.8246,

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

22.4692, 36.8246, 15.1561

Protanopia

32.9959, 36.0184, 12.9978

Deuteranopia

36.8129, 36.1392, 15.8618



Tritanopia

29.8571, 36.5392, 52.4928

Trichromacy



Original Color

22.4692, 36.8246, 15.1561



Protanomaly

27.4766, 35.3188, 13.7566



Deuteranomaly

29.2783, 35.1131, 15.3596



Tritanomaly

26.3451, 36.2753, 34.8915

Monochromacy



Original Color

22.4692, 36.8246, 15.1561



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.6872, 29.9487, 23.2711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4692, 36.8246, 15.1561 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(83, 184, 88)` looks like.

```
.text, #text, p{  
    color:rgb(83, 184, 88)  
}
```

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(83, 184, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 184, 88) }
```

Border

The CSS property to change the border of an element to XYZ 22.4692, 36.8246, 15.1561 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(83, 184, 88) }
```


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

```
.border{ border-color:rgb(83, 184, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 184, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 184, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 184, 88);  
box-shadow:4px 4px 4px 4px rgb(83, 184,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4692, 36.8246, 15.1561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 184, 88) }
```

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

```
.background{ background-color: rgb(83, 184,  
88) }
```

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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