

Converting Colors

XYZ(22.6072, 37.6745, 12.0095)

Have a look what the booklet for
XYZ(22.6072, 37.6745, 12.0095)
contains.

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Color

**XYZ(22.5340, 37.5512,
12.0217)**

Conversions

Conversions Part 1

Format	Color
Hex	56BA47
RGB	86, 186, 71
RGB Percent	34%, 73%, 28%
CMY	0.6627, 0.2706, 0.7216
CMYK	0.54, 0.00, 0.62, 0.27
HSL	112°, 45%, 50%
HSV	112°, 62%, 73%
XYZ	22.5340, 37.5512, 12.0217
YIQ	142.9900, -22.6850, -56.9650

Conversions

Conversions Part 2

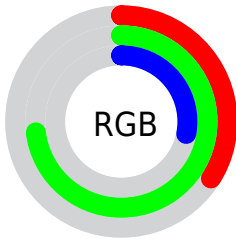
Format	Color
RYB	71, 186, 171
Decimal	5683783
CIELab	67.69, -51.27, 48.34
CIElCh	68, 70.466, 136.681
Yxy	37.5512, 0.3125, 0.5208
Android (android.graphics.Color)	4283873863 (0xFF56BA47)
YUV	142.9900, -35.4911, -49.9802
Hunter-Lab	61.2790, -41.5989, 31.2638

Details

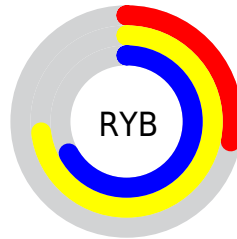
The XYZ color **22.5340, 37.5512, 12.0217** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.9129, 16.7110, 48.2108**, and the grayscale version is **26.2490, 27.6160, 30.0738**.

A 20% lighter version of the original color is **47.1273, 71.4605, 30.0483**, and **8.4965, 16.6198, 3.1756** is the 20% darker color. If you saturate the color by 10%, you get **20.7019, 36.6666, 9.2829**, and if you desaturate by 10%, it is **24.8877, 38.6858, 15.7401**.

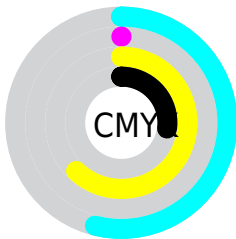
Distribution



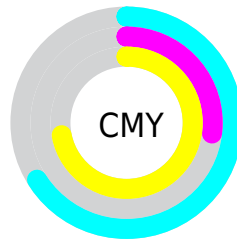
- Red (34%)
- Green (73%)
- Blue (28%)



- Red (28%)
- Yellow (73%)
- Blue (67%)



- Cyan (54%)
- Magenta (0%)
- Yellow (62%)
- Black (27%)





- Cyan (66%)
- Magenta (27%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.5340, 37.5512, 12.0217 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 22.5340, 37.5512, 12.0217 by changing the saturation by 10% instead.


 22.5340, 37.5512,
12.0217


 22.5340, 37.5512,
12.0217


257.9027,
335.6908, 215.5319


 14.3686, 25.6345,
6.6357


 47.0993, 71.4197,
30.1996


 8.4609, 16.5504,
3.1604

 64.2300, 94.1404,
43.8286


 4.4455, 9.9145,
1.1771


 85.0797, 121.2312,
61.0424

 1.9571, 5.3423,
0.0000

 110.0139,
153.0765, 82.2595

 0.6097, 2.4495,
0.0000

 139.3980,
190.0607, 107.8985

 0.0000, 0.8512,
0.0000

173.5972,

 0.0000, 0.0000,

232.5682, 138.3779

0.0000

212.9770,
280.9835, 174.1161

■ 22.5340, 37.5512,
12.0217

■ 22.5340, 37.5512,
12.0217

■ 20.7019, 36.6666,
9.2829

■ 24.8877, 38.6858,
15.7401

■ 19.3482, 36.0084,
7.4291

■ 27.7962, 40.0825,
20.5161

■ 18.4275, 35.5566,
6.3514

■ 31.2931, 41.7581,
26.4228

■ 17.9425, 35.3167,
5.8711

■ 35.4086, 43.7268,
33.5260

■ 40.1708, 46.0017,
41.8865

■ 45.6060, 48.5951,
51.5610

■ 51.7391, 51.5188,
62.6027

■ 58.5938, 54.7839,
75.0620

■ 66.1925, 58.4008,
88.9864

Harmonies

Analogous

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



30.0177, 37.5512, 6.1629



22.5340, 37.5512, 12.0217



18.9615, 37.5512, 28.5815

Triad

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



22.5340, 37.5512, 12.0217



31.0865, 37.5512, 131.2680



59.7104, 37.5512, 25.9898

Complementary

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



22.5340, 37.5512, 12.0217



27.9129, 16.7110, 48.2108

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.



60.1591, 37.5512, 56.2972



22.5340, 37.5512, 12.0217



42.0382, 37.5512, 129.2980

Square

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



22.5340, 37.5512, 12.0217



23.1788, 37.5512, 101.7878



53.1741, 37.5512, 97.2902



52.0500, 37.5512, 10.9558

Rectangle

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



22.5340, 37.5512, 12.0217



18.6870, 37.5512, 48.2598



53.1741, 37.5512, 97.2902



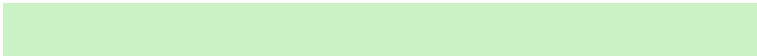
60.7567, 37.5512, 34.3059

Sweetspot

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



22.5349, 37.5528, 12.0225



66.2337, 80.2368, 64.3538



35.8888, 39.8960, 11.7710



14.0686, 17.4223, 13.2695



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.5349, 37.5528, 12.0225



36.5946, 66.0076, 15.5124



23.1487, 37.6552, 21.7212



8.9963, 10.1148, 9.5851



12.1074, 23.7779, 3.9515



0.4622, 0.8565, 0.1410

Inverse Universe

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



27.9129, 16.7110, 48.2108



47.0164, 25.0195, 86.5526



27.5256, 16.9551, 28.1422



9.2626, 9.1018, 11.3481



15.9971, 7.5580, 31.8688



0.5963, 0.2831, 1.1250

Previews

White Background



This preview shows how the XYZ color 22.5340, 37.5512, 12.0217 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 22.5340, 37.5512, 12.0217 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 22.5340, 37.5512, 12.0217

Background



This preview shows how black text looks on a background with the XYZ color 22.5340, 37.5512, 12.0217.



This preview shows how white text looks on a background with the XYZ color 22.5340, 37.5512,

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

22.5340, 37.5512, 12.0217

Protanopia

33.7580, 36.9999, 10.3635

Deuteranopia

37.6936, 36.9127, 12.7276



Tritanopia

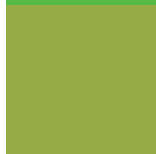
30.6436, 37.2179, 53.1456

Trichromacy



Original Color

22.5340, 37.5512, 12.0217



Protanomaly

27.9784, 36.2062, 10.8241



Deuteranomaly

29.6555, 35.6468, 12.3387



Tritanomaly

26.3981, 36.6518, 32.4712

Monochromacy



Original Color

22.5340, 37.5512, 12.0217



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.6351, 30.2182, 21.4166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5340, 37.5512, 12.0217 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(86, 186, 71)` looks like.

```
.text, #text, p{  
    color:rgb(86, 186, 71)  
}
```

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(86, 186, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 186, 71) }
```

Border

The CSS property to change the border of an element to XYZ 22.5340, 37.5512, 12.0217 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(86, 186, 71) }
```


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

```
.border{ border-color:rgb(86, 186, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 186, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 186, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 186, 71);  
box-shadow:4px 4px 4px 4px rgb(86, 186,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5340, 37.5512, 12.0217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 186, 71) }
```

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

```
.background{ background-color: rgb(86, 186,  
71) }
```

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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