

Converting Colors

XYZ(22.7954, 37.3577, 11.1205)

Have a look what the booklet for
XYZ(22.7954, 37.3577, 11.1205)
contains.

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Color

**XYZ(22.8465, 37.4184,
11.1726)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5DB942 |
| RGB | 93, 185, 66 |
| RGB Percent | 36%, 73%, 26% |
| CMY | 0.6353, 0.2745, 0.7412 |
| CMYK | 0.50, 0.00, 0.64, 0.27 |
| HSL | 106°, 47%, 49% |
| HSV | 106°, 64%, 73% |
| XYZ | 22.8465, 37.4184, 11.1726 |
| YIQ | 143.9260, -16.6330, -56.5130 |

Conversions

Conversions Part 2

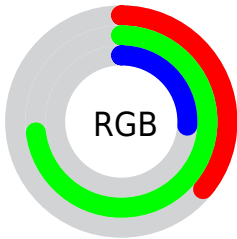
| Format | Color |
|-------------------------------------|--|
| RYB | 66, 185, 158 |
| Decimal | 6142274 |
| CIELab | 67.59, -49.42, 50.49 |
| CIELCh | 68, 70.648, 134.386 |
| Yxy | 37.4184, 0.3198, 0.5238 |
| Android (android.graphics.Color) | 4284332354 (0xFF5DB942) |
| YUV | 143.9260, -38.4175, -44.6621 |
| Hunter-Lab | 61.1706, -40.3808, 31.9903 |

Details

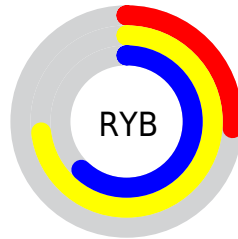
The XYZ color **22.8465, 37.4184, 11.1726** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.8078, 14.6697, 47.4250**, and the grayscale version is **26.6349, 28.0220, 30.5159**.

A 20% lighter version of the original color is **47.6596, 71.3202, 28.7070**, and **8.6394, 16.5004, 2.8157** is the 20% darker color. If you saturate the color by 10%, you get **21.0723, 36.5580, 8.6887**, and if you desaturate by 10%, it is **25.0697, 38.4921, 14.5998**.

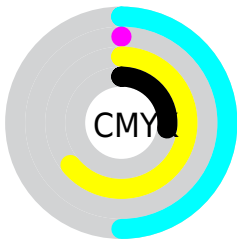
Distribution



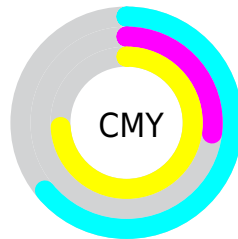
- Red (36%)
- Green (73%)
- Blue (26%)



- Red (26%)
- Yellow (73%)
- Blue (62%)



- Cyan (50%)
- Magenta (0%)
- Yellow (64%)
- Black (27%)





- Cyan (64%)
- Magenta (27%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.8465, 37.4184, 11.1726 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 22.8465, 37.4184, 11.1726 by changing the saturation by 10% instead.


 22.8465, 37.4184,
11.1726


 22.8465, 37.4184,
11.1726

259.4857,
335.1184, 209.6277


 14.6003, 25.5316,
6.0674


 47.6097, 71.2158,
28.6204


 8.6238, 16.4736,
2.8167


 64.8573, 93.8952,
41.8001


 4.5518, 9.8599,
1.0018


 85.8362, 120.9410,
58.5084

 2.0188, 5.3061,
0.0000

 110.9116,
152.7374, 79.1638

 0.6445, 2.4280,
0.0000

 140.4489,
189.6690, 104.1849

 0.0000, 0.8402,
0.0000

174.8134,

 0.0000, 0.0000,

232.1201, 133.9902

0.0000

214.3706,
280.4751, 168.9983

■ 22.8465, 37.4184,
11.1726

■ 22.8465, 37.4184,
11.1726

■ 21.0723, 36.5580,
8.6887

■ 25.0697, 38.4921,
14.5998

■ 19.7115, 35.8914,
7.0514

■ 27.7686, 39.7877,
19.0494

■ 18.7271, 35.4029,
6.1481

■ 30.9707, 41.3191,
24.5949

■ 18.3033, 35.1910,
5.8279

■ 34.7007, 43.0974,
31.3026

■ 38.9816, 45.1331,
39.2334

■ 43.8350, 47.4363,
48.4438

■ 49.2813, 50.0162,
58.9871

■ 55.3398, 52.8818,
70.9133

■ 62.0290, 56.0416,
84.2699

Harmonies

Analogous

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



30.6162, 37.4184, 5.9014



22.8465, 37.4184, 11.1726



18.9818, 37.4184, 26.6502

Triad

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



22.8465, 37.4184, 11.1726



30.2262, 37.4184, 129.9769



59.9223, 37.4184, 27.5951

Complementary

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



22.8465, 37.4184, 11.1726



24.8078, 14.6697, 47.4250

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.



59.7583, 37.4184, 59.0896



22.8465, 37.4184, 11.1726



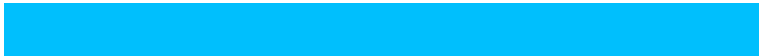
41.0204, 37.4184, 130.6979

Square

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



22.8465, 37.4184, 11.1726



22.6114, 37.4184, 98.6661



52.2979, 37.4184, 100.3114



52.7087, 37.4184, 11.5600

Rectangle

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



22.8465, 37.4184, 11.1726



18.5180, 37.4184, 45.4988



52.2979, 37.4184, 100.3114



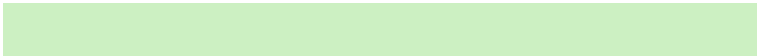
60.7684, 37.4184, 36.3294

Sweetspot

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



22.8474, 37.4200, 11.1734



65.8631, 78.9523, 62.8994



33.0890, 34.9023, 10.1477



13.7379, 16.8013, 12.7094



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.



22.8474, 37.4200, 11.1734



36.6946, 64.9623, 14.2359



21.7889, 36.7347, 17.4324



9.0759, 10.1558, 9.5888



12.5160, 23.9886, 3.9706



0.4961, 0.8739, 0.1425

Inverse Universe

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



24.8078, 14.6697, 47.4250



40.2997, 21.0008, 84.1341



27.7290, 16.5205, 31.9815



9.1763, 9.0573, 11.3440



13.7448, 6.3969, 31.7634



0.5342, 0.2511, 1.1221

Previews

White Background



This preview shows how the XYZ color 22.8465, 37.4184, 11.1726 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 22.8465, 37.4184, 11.1726 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 22.8465, 37.4184, 11.1726

Background



This preview shows how black text looks on a background with the XYZ color 22.8465, 37.4184, 11.1726.



This preview shows how white text looks on a background with the XYZ color 22.8465, 37.4184,

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

22.8465, 37.4184, 11.1726

Protanopia

33.6195, 36.9444, 9.6340

Deuteranopia

37.5156, 36.8415, 11.7904



Tritanopia

31.1157, 37.1880, 52.5517

Trichromacy



Original Color

22.8465, 37.4184, 11.1726



Protanomaly

28.1997, 36.3369, 10.0849



Deuteranomaly

29.8887, 35.7867, 11.4631



Tritanomaly

26.8644, 36.6156, 31.6382

Monochromacy



Original Color

22.8465, 37.4184, 11.1726



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.0080, 30.4172, 21.1288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8465, 37.4184, 11.1726 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(93, 185, 66)` looks like.

```
.text, #text, p{  
    color:rgb(93, 185, 66)  
}
```

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(93, 185, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 185, 66) }
```

Border

The CSS property to change the border of an element to XYZ 22.8465, 37.4184, 11.1726 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(93, 185, 66) }
```


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

```
.border{ border-color:rgb(93, 185, 66) }
```

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

Here you see how a box with a 4 pixel rgb(93, 185, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 185, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 185, 66);  
box-shadow:4px 4px 4px 4px rgb(93, 185,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8465, 37.4184, 11.1726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 185, 66) }
```

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

```
.background{ background-color: rgb(93, 185,  
66) }
```

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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