

Converting Colors

XYZ(22.5953, 37.6768, 8.4468)

Have a look what the booklet for
XYZ(22.5953, 37.6768, 8.4468)
contains.

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Color

**XYZ(22.6296, 37.6793,
8.4630)**

Conversions

Conversions Part 1

Format	Color
Hex	5EBA2C
RGB	94, 186, 44
RGB Percent	37%, 73%, 17%
CMY	0.6314, 0.2706, 0.8274
CMYK	0.49, 0.00, 0.76, 0.27
HSL	99°, 62%, 45%
HSV	99°, 76%, 73%
XYZ	22.6296, 37.6793, 8.4630
YIQ	142.3040, -9.2500, -63.6660

Conversions

Conversions Part 2

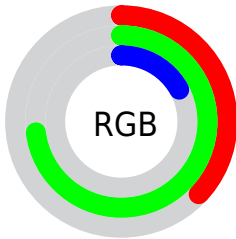
Format	Color
RYB	44, 186, 136
Decimal	6208044
CIELab	67.78, -51.24, 59.10
CIELCh	68, 78.221, 130.925
Yxy	37.6793, 0.3291, 0.5479
Android (android.graphics.Color)	4284398124 (0xFF5EBA2C)
YUV	142.3040, -48.4639, -42.3626
Hunter-Lab	61.3835, -41.6153, 34.7941

Details

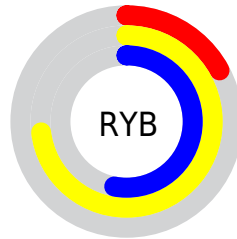
The XYZ color **22.6296, 37.6793, 8.4630** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **19.9191, 10.5822, 47.4491**, and the grayscale version is **26.0215, 27.3766, 29.8131**.

A 20% lighter version of the original color is **47.2997, 71.6967, 23.4025**, and **8.7302, 16.7494, 2.7728** is the 20% darker color. If you saturate the color by 10%, you get **21.2147, 36.9828, 6.9631**, and if you desaturate by 10%, it is **24.3959, 38.5412, 10.7985**.

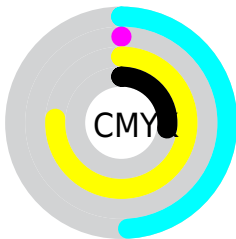
Distribution



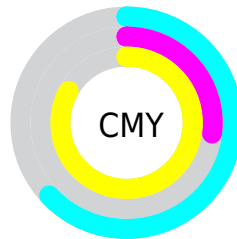
- Red (37%)
- Green (73%)
- Blue (17%)



- Red (17%)
- Yellow (73%)
- Blue (53%)



- Cyan (49%)
- Magenta (0%)
- Yellow (76%)
- Black (27%)





- Cyan (63%)
- Magenta (27%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.6296, 37.6793, 8.4630 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 22.6296, 37.6793, 8.4630 by changing the saturation by 10% instead.


 22.6296, 37.6793,
8.4630


 22.6296, 37.6793,
8.4630


258.3878,
336.2422, 189.3879


 14.4394, 25.7339,
4.3006


 47.2556, 71.6163,
23.4222


 8.5107, 16.6247,
1.7917


 64.4221, 94.3767,
35.0561

 4.4779, 9.9672,
0.4225


 85.3114, 121.5109,
50.0176

 1.9759, 5.3772,
0.0000

 110.2889,
153.4032, 68.7253

 0.6204, 2.4703,
0.0000

 139.7199,
190.4381, 91.5976

 0.0000, 0.8617,
0.0000

 173.9699,

 0.0000, 0.0000,

233.0000, 119.0531

0.0000

213.4040,
281.4733, 151.5103

■ 22.6296, 37.6793,
8.4630

■ 22.6296, 37.6793,
8.4630

■ 21.2147, 36.9828,
6.9631

■ 24.3959, 38.5412,
10.7985

■ 20.1153, 36.4325,
6.1674

■ 26.5379, 39.5753,
14.0653

■ 19.7721, 36.2599,
5.9568

■ 29.0802, 40.7938,
18.3489

■ 32.0447, 42.2061,
23.7243

■ 35.4511, 43.8211,
30.2596

■ 39.3181, 45.6469,
38.0171

■ 43.6631, 47.6912,
47.0550

■ 48.5024, 49.9614,
57.4274

■ 53.8519, 52.4645,
69.1855

Harmonies

Analogous

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



31.5813, 37.6793, 4.2140



22.6296, 37.6793, 8.4630



18.0147, 37.6793, 22.8727

Triad

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



22.6296, 37.6793, 8.4630



28.7335, 37.6793, 141.7461



63.8662, 37.6793, 29.6475

Complementary

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



22.6296, 37.6793, 8.4630



19.9191, 10.5822, 47.4491

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.



62.6155, 37.6793, 66.8889



22.6296, 37.6793, 8.4630



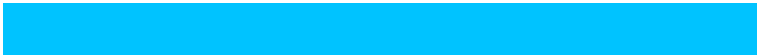
40.4068, 37.6793, 147.4235

Square

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



22.6296, 37.6793, 8.4630



20.9507, 37.6793, 102.0013



53.3223, 37.6793, 114.7948



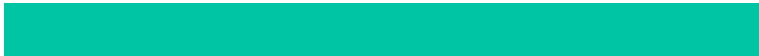
56.4305, 37.6793, 11.0235

Rectangle

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



22.6296, 37.6793, 8.4630



17.2204, 37.6793, 42.1113



53.3223, 37.6793, 114.7948



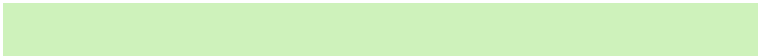
64.4839, 37.6793, 39.9602

Sweetspot

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



22.6305, 37.6809, 8.4638



66.2413, 80.3642, 58.7723



29.2218, 27.6544, 6.1811



14.0526, 17.4446, 11.8868



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.



22.6305, 37.6809, 8.4638



36.9680, 66.2897, 11.4800



19.4941, 36.0131, 10.6174



9.1807, 10.2098, 9.5937



13.3758, 24.4318, 4.0108



0.5401, 0.8966, 0.1446

Inverse Universe

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



19.9191, 10.5822, 47.4491



31.5690, 14.7740, 85.3892



28.1331, 15.0340, 38.0125



9.0658, 9.0003, 11.3388



11.3054, 5.1394, 31.6492



0.4629, 0.2144, 1.1187

Previews

White Background



This preview shows how the XYZ color 22.6296, 37.6793, 8.4630 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 22.6296, 37.6793, 8.4630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

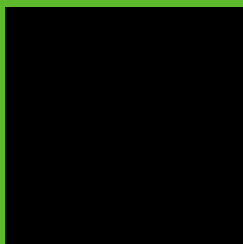
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6296, 37.6793, 8.4630

Background



This preview shows how black text looks on a background with the XYZ color 22.6296, 37.6793, 8.4630.



This preview shows how white text looks on a background with the XYZ color 22.6296, 37.6793,

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

22.6296, 37.6793, 8.4630

Protanopia

33.4088, 36.8877, 7.2787

Deuteranopia

37.8038, 37.0515, 9.0301



Tritanopia

31.3844, 37.3265, 52.5643

Trichromacy



Original Color

22.6296, 37.6793, 8.4630



Protanomaly

27.9153, 36.2445, 7.6224



Deuteranomaly

29.9556, 35.8847, 8.5964



Tritanomaly

26.6002, 36.8413, 28.6308

Monochromacy



Original Color

22.6296, 37.6793, 8.4630



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.2858, 29.8543, 18.1708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6296, 37.6793, 8.4630 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(94, 186, 44)` looks like.

```
.text, #text, p{  
    color:rgb(94, 186, 44)  
}
```

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(94, 186, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 186, 44) }
```

Border

The CSS property to change the border of an element to XYZ 22.6296, 37.6793, 8.4630 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(94, 186, 44) }
```


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

```
.border{ border-color:rgb(94, 186, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 186, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 186, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 186, 44);  
box-shadow:4px 4px 4px 4px rgb(94, 186,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6296, 37.6793, 8.4630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 186, 44) }
```

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

```
.background{ background-color: rgb(94, 186,  
44) }
```

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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