

Converting Colors

XYZ(22.9648, 35.3108, 26.2802)

Have a look what the booklet for
XYZ(22.9648, 35.3108, 26.2802)
contains.

XYZ(22.9842, 35.3210, 26.3751)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.9842, 35.3210,
26.3751)**

Conversions

Conversions Part 1

Format	Color
Hex	4BB381
RGB	75, 179, 129
RGB Percent	29%, 70%, 51%
CMY	0.7059, 0.2980, 0.4941
CMYK	0.58, 0.00, 0.28, 0.30
HSL	151°, 41%, 50%
HSV	151°, 58%, 70%
XYZ	22.9842, 35.3210, 26.3751
YIQ	142.2040, -45.9340, -37.5980

Conversions

Conversions Part 2

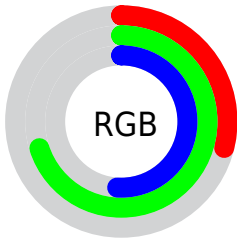
Format	Color
RYB	75, 143, 179
Decimal	4961153
CIELab	66.00, -41.93, 16.70
CIElCh	66, 45.136, 158.282
Yxy	35.3210, 0.2714, 0.4171
Android (android.graphics.Color)	4283151233 (0xFF4BB381)
YUV	142.2040, -6.5096, -58.9379
Hunter-Lab	59.4315, -34.9730, 15.2897

Details

The XYZ color **22.9842, 35.3210, 26.3751** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.8093, 16.0974, 21.2030**, and the grayscale version is **25.8307, 27.1760, 29.5946**.

A 20% lighter version of the original color is **47.6675, 67.6996, 54.8110**, and **8.7816, 15.2464, 10.0694** is the 20% darker color. If you saturate the color by 10%, you get **21.2281, 34.4800, 23.4319**, and if you desaturate by 10%, it is **25.1842, 36.3872, 29.5922**.

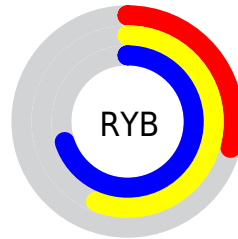
Distribution



Red (29%)

Green (70%)

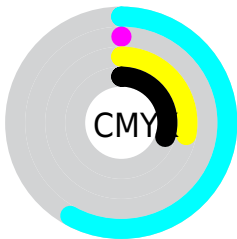
Blue (51%)



Red (29%)

Yellow (56%)

Blue (70%)

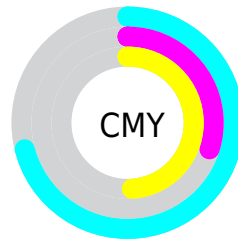


Cyan (58%)

Magenta (0%)

Yellow (28%)

Black (30%)



Cyan (71%)


Magenta (30%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.9842, 35.3210, 26.3751 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 22.9842, 35.3210, 26.3751 by changing the saturation by 10% instead.


 22.9842, 35.3210,
26.3751


 22.9842, 35.3210,
26.3751


260.1807,
325.9829, 298.2824


 14.7025, 23.9103,
16.8762


 47.8342, 67.9828,
54.8710


 8.6958, 15.2671,
9.9852


 65.1332, 90.0025,
74.7050


 4.5988, 9.0070,
5.2837


 86.1687, 116.3275,
98.8211

 2.0462, 4.7458,
2.3530

 111.3060,
147.3419, 127.6379

 0.6597, 2.0989,
0.7607

 140.9105,
183.4303, 161.5739

 0.0000, 0.6640,
0.0000

175.3476,

 0.0000, 0.0000,

224.9770, 201.0476

0.0000

214.9825,
272.3664, 246.4776

■ 22.9842, 35.3210,
26.3751

■ 22.9842, 35.3210,
26.3751

■ 21.2281, 34.4800,
23.4319

■ 25.1842, 36.3872,
29.5922

■ 19.8780, 33.8419,
20.7523

■ 27.8565, 37.6902,
33.0882

■ 18.8938, 33.3871,
18.3288

■ 31.0303, 39.2459,
36.8709

■ 18.2097, 33.0819,
16.1517

■ 34.7316, 41.0676,
40.9472

■ 18.0939, 33.0307,
15.7643

■ 38.9844, 43.1675,
45.3235

■ 43.8113, 45.5572,
50.0061

■ 49.2336, 48.2476,
55.0013

■ 55.2714, 51.2489,
60.3148

■ 61.9440, 54.5708,
65.9524

Harmonies

Analogous

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



26.2170, 35.3210, 16.1850



22.9842, 35.3210, 26.3751



22.3845, 35.3210, 44.0126

Triad

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



22.9842, 35.3210, 26.3751



35.4586, 35.3210, 87.6389



44.7136, 35.3210, 19.8539

Complementary

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



22.9842, 35.3210, 26.3751



24.8093, 16.0974, 21.2030

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.



47.9755, 35.3210, 33.3926



22.9842, 35.3210, 26.3751



42.1870, 35.3210, 75.2249

Square

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



22.9842, 35.3210, 26.3751



29.0336, 35.3210, 83.8329



46.9942, 35.3210, 53.7626



38.5593, 35.3210, 13.3842

Rectangle

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



22.9842, 35.3210, 26.3751



23.4711, 35.3210, 58.6852



46.9942, 35.3210, 53.7626



46.2196, 35.3210, 23.5124

Sweetspot

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



22.9851, 35.3224, 26.3759



62.7824, 73.8349, 73.9492



25.8877, 37.1298, 12.4594



13.5986, 16.2049, 16.0525



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.



22.9851, 35.3224, 26.3759



37.1977, 61.3608, 40.4351



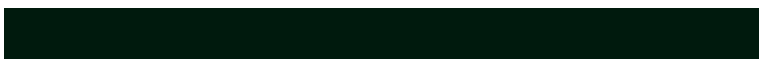
26.8143, 36.3017, 48.2431



8.5671, 9.5613, 9.9798



12.8186, 23.3534, 11.3135



0.4326, 0.7465, 0.5102

Inverse Universe

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



24.8093, 16.0974, 21.2030



40.7835, 23.6254, 30.3077



22.4967, 15.3630, 8.4368



8.6608, 8.5711, 9.7125



14.3581, 7.2608, 7.0458



0.4813, 0.2403, 0.3772

Previews

White Background



This preview shows how the XYZ color 22.9842, 35.3210, 26.3751 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 22.9842, 35.3210, 26.3751 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 22.9842, 35.3210, 26.3751

Background



This preview shows how black text looks on a background with the XYZ color 22.9842, 35.3210, 26.3751.



This preview shows how white text looks on a background with the XYZ color 22.9842, 35.3210,

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

22.9842, 35.3210, 26.3751

Protanopia

32.5829, 34.8103, 22.7711

Deuteranopia

35.2928, 34.5990, 27.7398



Tritanopia

28.1297, 35.3774, 51.8003

Trichromacy



Original Color

22.9842, 35.3210, 26.3751



Protanomaly

27.3647, 33.9367, 23.8471



Deuteranomaly

28.6556, 33.4634, 27.1391



Tritanomaly

25.9593, 35.3550, 41.0533

Monochromacy



Original Color

22.9842, 35.3210, 26.3751



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.7079, 29.1004, 28.0343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9842, 35.3210, 26.3751 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(75, 179, 129)` looks like.

```
.text, #text, p{  
    color:rgb(75, 179, 129)  
}
```

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(75, 179, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 179, 129) }
```

Border

The CSS property to change the border of an element to XYZ 22.9842, 35.3210, 26.3751 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(75, 179, 129) }
```


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

```
.border{ border-color:rgb(75, 179, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 179, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 179, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 179, 129);  
box-shadow:4px 4px 4px 4px rgb(75, 179,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9842, 35.3210, 26.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 179, 129) }
```

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

```
.background{ background-color: rgb(75, 179,  
129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor