

Converting Colors

XYZ(18.5788, 22.1248, 8.2341)

Have a look what the booklet for
XYZ(18.5788, 22.1248, 8.2341)
contains.

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Color

**XYZ(18.5325, 22.0990,
8.2898)**

Conversions

Conversions Part 1

Format	Color
Hex	818641
RGB	129, 134, 65
RGB Percent	51%, 53%, 25%
CMY	0.4941, 0.4745, 0.7451
CMYK	0.04, 0.00, 0.51, 0.47
HSL	64°, 35%, 39%
HSV	64°, 51%, 53%
XYZ	18.5325, 22.0990, 8.2898
YIQ	124.6390, 19.1690, -22.5190

Conversions

Conversions Part 2

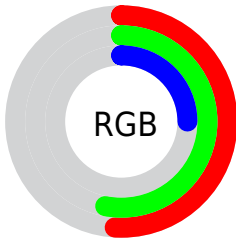
Format	Color
RYB	65, 134, 70
Decimal	8488513
CIELab	54.13, -12.36, 36.15
CIELCh	54, 38.204, 108.871
Yxy	22.0990, 0.3788, 0.4517
Android (android.graphics.Color)	4286678593 (0xFF818641)
YUV	124.6390, -29.4020, 3.8246
Hunter-Lab	47.0096, -11.8970, 22.4513

Details

The XYZ color **18.5325, 22.0990, 8.2898** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.7200, 6.8045, 23.4094**, and the grayscale version is **19.4633, 20.4769, 22.2993**.

A 20% lighter version of the original color is **40.3933, 46.8457, 23.1328**, and **6.4916, 8.1572, 1.7627** is the 20% darker color. If you saturate the color by 10%, you get **18.0428, 21.8869, 6.4756**, and if you desaturate by 10%, it is **19.1168, 22.3506, 10.5901**.

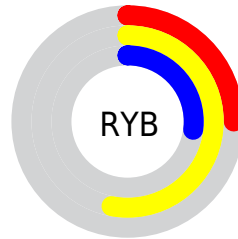
Distribution



Red (51%)

Green (53%)

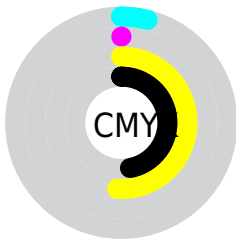
Blue (25%)



Red (25%)

Yellow (53%)

Blue (27%)

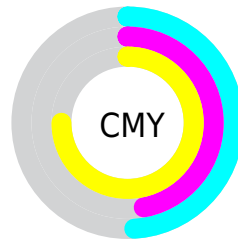


Cyan (4%)

Magenta (0%)

Yellow (51%)

Black (47%)



Cyan (49%)

Magenta (47%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5325, 22.0990, 8.2898 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 18.5325, 22.0990, 8.2898 by changing the saturation by 10% instead.

■ 18.5325, 22.0990,
8.2898

■ 18.5325, 22.0990,
8.2898

236.8436,
263.0628, 188.0064

■ 11.4350, 13.9297,
4.1905

■ 40.4656, 46.9096,
23.0801

■ 6.4296, 8.0718,
1.7304

■ 56.0319, 64.3196,
34.6082

■ 3.1512, 4.1409,
0.3815

■ 75.1519, 85.5786,
49.4497

■ 1.2342, 1.7527,
0.0000

■ 98.1908, 111.0711,
68.0231

■ 0.1331, 0.4574,
0.0000

■ 125.5141,
141.1813, 90.7469

■ 0.0000, 0.0000,
0.0000

157.4871,

176.2938, 118.0397

194.4751,
216.7928, 150.3200

■ 18.5325, 22.0990,
8.2898

■ 18.5325, 22.0990,
8.2898

■ 18.0428, 21.8869,
6.4756

■ 19.1168, 22.3506,
10.5901

■ 17.6395, 21.7088,
5.1113

■ 19.8001, 22.6413,
13.4067

■ 17.3156, 21.5626,
4.1578

■ 20.5883, 22.9740,
16.7687

■ 17.0623, 21.4448,
3.5689

■ 21.4866, 23.3510,
20.7029

■ 16.8792, 21.3576,
3.2328

■ 22.4997, 23.7740,
25.2341

■ 23.6321, 24.2449,
30.3860

■ 24.8879, 24.7653,
36.1805

■ 26.2712, 25.3369,
42.6389

■ 27.7858, 25.9612,
49.7812

Harmonies

Analogous

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



22.5793, 22.0990, 7.9042



18.5325, 22.0990, 8.2898



15.5588, 22.0990, 11.9621

Triad

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



18.5325, 22.0990, 8.2898



16.1897, 22.0990, 45.6541



29.8274, 22.0990, 28.7381

Complementary

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



18.5325, 22.0990, 8.2898



8.7200, 6.8045, 23.4094

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.



27.5921, 22.0990, 42.3973



18.5325, 22.0990, 8.2898



19.5045, 22.0990, 54.0951

Square

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



18.5325, 22.0990, 8.2898



14.3341, 22.0990, 32.2185



23.6870, 22.0990, 52.7387



29.4771, 22.0990, 17.4134

Rectangle

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



18.5325, 22.0990, 8.2898



14.4174, 22.0990, 16.7416



23.6870, 22.0990, 52.7387



29.3428, 22.0990, 33.2552

Sweetspot

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



18.5330, 22.1000, 8.2903



37.2242, 40.8754, 33.6923



12.9516, 9.7810, 6.2066



8.3224, 9.1821, 7.3107



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.5330, 22.1000, 8.2903



31.6435, 38.4971, 10.9005



14.1890, 19.8606, 8.0870



5.0073, 5.4063, 5.0090



15.8211, 20.0160, 3.0296



0.0573, 0.0706, 0.0106

Inverse Universe

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



8.7200, 6.8045, 23.4094



12.3236, 8.3600, 40.7025



11.9146, 8.4514, 23.5589



4.4635, 4.5595, 5.8456



4.1507, 1.6739, 21.2410



0.0163, 0.0068, 0.0737

Previews

White Background



This preview shows how the XYZ color 18.5325, 22.0990, 8.2898 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5325, 22.0990, 8.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

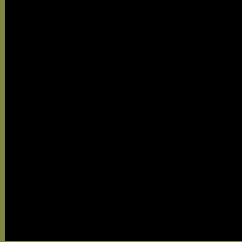
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.5325, 22.0990, 8.2898

Background



This preview shows how black text looks on a background with the XYZ color 18.5325, 22.0990, 8.2898.



This preview shows how white text looks on a background with the XYZ color 18.5325, 22.0990,

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

18.5325, 22.0990, 8.2898

Protanopia

20.1034, 21.9103, 8.0200

Deuteranopia

22.4244, 21.9542, 8.5245



Tritanopia

22.2213, 22.0176, 26.3712

Trichromacy



Original Color

18.5325, 22.0990, 8.2898

Protanomaly

19.5229, 22.0060, 8.0691

Deuteranomaly

20.8152, 21.8799, 8.4364

Tritanomaly

20.4962, 21.8946, 17.8977

Monochromacy



Original Color

18.5325, 22.0990, 8.2898

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.7715, 20.8532, 15.8677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5325, 22.0990, 8.2898 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(129, 134, 65)` looks like.

```
.text, #text, p{  
    color:rgb(129, 134, 65)  
}
```

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(129, 134, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 134, 65) }
```

Border

The CSS property to change the border of an element to XYZ 18.5325, 22.0990, 8.2898 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(129, 134, 65) }
```


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

```
.border{ border-color:rgb(129, 134, 65) }
```

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

Here you see how a box with a 4 pixel rgb(129, 134, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 134, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 134, 65);  
box-shadow:4px 4px 4px 4px rgb(129, 134,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5325, 22.0990, 8.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 134, 65) }
```

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

```
.background{ background-color: rgb(129,  
134, 65) }
```

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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