

Converting Colors

XYZ(20.0550, 25.3404, 8.8982)

Have a look what the booklet for
XYZ(20.0550, 25.3404, 8.8982)
contains.

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Color

**XYZ(19.9816, 25.2216,
8.8161)**

Conversions

Conversions Part 1

Format	Color
Hex	809141
RGB	128, 145, 65
RGB Percent	50%, 57%, 25%
CMY	0.4980, 0.4314, 0.7451
CMYK	0.12, 0.00, 0.55, 0.43
HSL	73°, 38%, 41%
HSV	73°, 55%, 57%
XYZ	19.9816, 25.2216, 8.8161
YIQ	130.7970, 15.5480, -28.4840

Conversions

Conversions Part 2

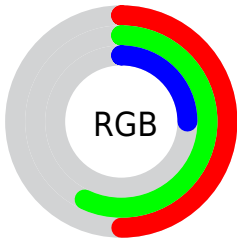
Format	Color
RYB	65, 145, 82
Decimal	8425793
CIELab	57.29, -18.60, 39.84
CIELCh	57, 43.969, 115.032
Yxy	25.2216, 0.3699, 0.4669
Android (android.graphics.Color)	4286615873 (0xFF809141)
YUV	130.7970, -32.4379, -2.4530
Hunter-Lab	50.2211, -16.8667, 24.7467

Details

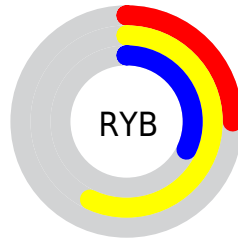
The XYZ color **19.9816, 25.2216, 8.8161** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.4817, 7.6194, 27.7077**, and the grayscale version is **21.6096, 22.7350, 24.7584**.

A 20% lighter version of the original color is **42.8093, 52.0297, 24.0061**, and **7.1520, 9.7526, 1.9210** is the 20% darker color. If you saturate the color by 10%, you get **19.1580, 24.8403, 6.8596**, and if you desaturate by 10%, it is **20.9283, 25.6556, 11.3423**.

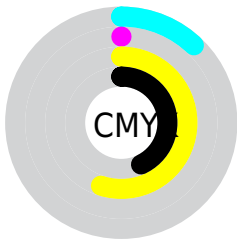
Distribution



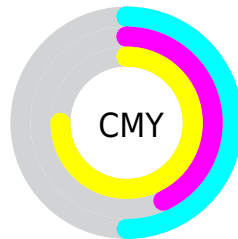
- Red (50%)
- Green (57%)
- Blue (25%)



- Red (25%)
- Yellow (57%)
- Blue (32%)



- Cyan (12%)
- Magenta (0%)
- Yellow (55%)
- Black (43%)



- Cyan (50%)
- Magenta (43%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9816, 25.2216, 8.8161 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 19.9816, 25.2216, 8.8161 by changing the saturation by 10% instead.

■ 19.9816, 25.2216,
8.8161

■ 19.9816, 25.2216,
8.8161

244.6509,
278.9397, 192.1673

■ 12.4899, 16.2422,
4.5263

■ 42.8905, 52.0165,
24.1155

■ 7.1528, 9.6957,
1.9183

■ 59.0384, 70.6008,
35.9622

■ 3.6050, 5.1977,
0.5043

■ 78.8024, 93.1556,
51.1648

■ 1.4812, 2.3637,
0.0000

■ 102.5478,
120.0652, 70.1421

■ 0.3130, 0.8071,
0.0000

■ 130.6400,
151.7140, 93.3124

■ 0.0000, 0.0000,
0.0000

163.4443,

188.4864, 121.0943

201.3262,
230.7669, 153.9065

■ 19.9816, 25.2216,
8.8161

■ 19.9816, 25.2216,
8.8161

■ 19.1580, 24.8403,
6.8596

■ 20.9283, 25.6556,
11.3423

■ 18.4472, 24.5049,
5.4268

■ 22.0041, 26.1419,
14.4765

■ 17.8400, 24.2125,
4.4673

■ 23.2164, 26.6845,
18.2551

■ 17.3233, 23.9578,
3.9123

■ 24.5718, 27.2860,
22.7117

■ 17.0894, 23.8417,
3.7012

■ 26.0762, 27.9488,
27.8771

■ 27.7354, 28.6751,
33.7806

■ 29.5545, 29.4672,
40.4495

■ 31.5388, 30.3271,
47.9101

■ 33.6930, 31.2566,
56.1870

Harmonies

Analogous

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



24.8498, 25.2216, 7.6589



19.9816, 25.2216, 8.8161



16.6697, 25.2216, 14.0910

Triad

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



19.9816, 25.2216, 8.8161



18.6810, 25.2216, 58.2890



35.3911, 25.2216, 30.0203

Complementary

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



19.9816, 25.2216, 8.8161



10.4817, 7.6194, 27.7077

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.



33.1462, 25.2216, 47.3861



19.9816, 25.2216, 8.8161



23.1159, 25.2216, 67.0655

Square

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



19.9816, 25.2216, 8.8161



15.9985, 25.2216, 41.4651



28.4620, 25.2216, 62.4863



34.2338, 25.2216, 17.0306

Rectangle

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



19.9816, 25.2216, 8.8161



15.5443, 25.2216, 20.7033



28.4620, 25.2216, 62.4863



35.0010, 25.2216, 35.5517

Sweetspot

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



19.9822, 25.2227, 8.8166



43.4501, 48.6184, 38.8231



15.5745, 12.2869, 6.5521



9.5699, 10.7731, 8.3181



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.9822, 25.2227, 8.8166



34.0101, 44.3437, 11.6408



15.2002, 22.7575, 8.5928



5.7289, 6.2284, 5.7896



14.6794, 20.4601, 3.1755



0.1584, 0.2049, 0.0312

Inverse Universe

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



10.4817, 7.6194, 27.7077



15.2729, 9.5510, 49.0121



14.8871, 9.8904, 27.9139



5.2301, 5.3068, 6.7774



4.8827, 2.0107, 23.1078



0.0623, 0.0273, 0.2217

Previews

White Background



This preview shows how the XYZ color 19.9816, 25.2216, 8.8161 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 19.9816, 25.2216, 8.8161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

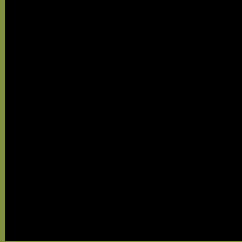
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.9816, 25.2216, 8.8161

Background



This preview shows how black text looks on a background with the XYZ color 19.9816, 25.2216, 8.8161.



This preview shows how white text looks on a background with the XYZ color 19.9816, 25.2216,

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

19.9816, 25.2216, 8.8161

Protanopia

22.9346, 25.2112, 8.3601

Deuteranopia

25.5527, 25.0973, 9.1277



Tritanopia

24.3871, 25.0333, 31.1503

Trichromacy



Original Color

19.9816, 25.2216, 8.8161

Protanomaly

21.7780, 25.2596, 8.5782

Deuteranomaly

23.1740, 24.8957, 9.0528

Tritanomaly

22.2750, 24.8179, 20.4459

Monochromacy



Original Color

19.9816, 25.2216, 8.8161

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.6639, 23.4157, 17.3405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9816, 25.2216, 8.8161 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(128, 145, 65)` looks like.

```
.text, #text, p{  
    color:rgb(128, 145, 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(128, 145, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 145, 65) }
```

Border

The CSS property to change the border of an element to XYZ 19.9816, 25.2216, 8.8161 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(128, 145, 65) }
```


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

```
.border{ border-color:rgb(128, 145, 65) }
```

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

Here you see how a box with a 4 pixel rgb(128, 145, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 145, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 145, 65);  
box-shadow:4px 4px 4px 4px rgb(128, 145,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9816, 25.2216, 8.8161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 145, 65) }
```

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

```
.background{ background-color: rgb(128,  
145, 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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