

Converting Colors

XYZ(20.8222, 25.1261, 12.3467)

Have a look what the booklet for
XYZ(20.8222, 25.1261, 12.3467)
contains.

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Color

**XYZ(20.8222, 25.1261,
12.3467)**

Conversions

Conversions Part 1

Format	Color
Hex	838F55
RGB	131, 143, 85
RGB Percent	51%, 56%, 33%
CMY	0.4863, 0.4392, 0.6667
CMYK	0.08, 0.00, 0.41, 0.44
HSL	72°, 25%, 45%
HSV	72°, 41%, 56%
XYZ	20.8222, 25.1261, 12.3467
YIQ	132.8000, 11.4660, -20.5820

Conversions

Conversions Part 2

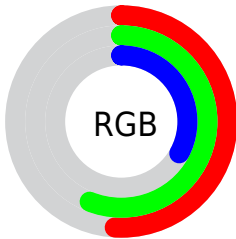
Format	Color
RYB	85, 143, 97
Decimal	8621909
CIELab	57.20, -14.09, 29.40
CIElCh	57, 32.603, 115.611
Yxy	25.1261, 0.3572, 0.4310
Android (android.graphics.Color)	4286811989 (0xFF838F55)
YUV	132.8000, -23.5654, -1.5786
Hunter-Lab	50.1259, -13.5719, 20.4842

Details

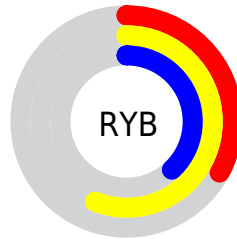
The XYZ color **20.8222, 25.1261, 12.3467** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.1372, 11.0222, 27.4232**, and the grayscale version is **22.3022, 23.4636, 25.5519**.

A 20% lighter version of the original color is **44.4178, 52.0244, 30.9932**, and **7.5725, 9.6741, 3.3019** is the 20% darker color. If you saturate the color by 10%, you get **19.8589, 24.6895, 9.6300**, and if you desaturate by 10%, it is **21.9147, 25.6177, 15.6699**.

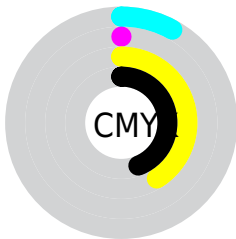
Distribution



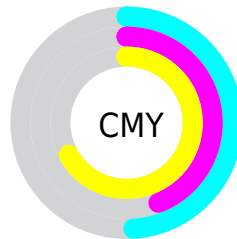
- Red (51%)
- Green (56%)
- Blue (33%)



- Red (33%)
- Yellow (56%)
- Blue (38%)



- Cyan (8%)
- Magenta (0%)
- Yellow (41%)
- Black (44%)



- Cyan (49%)
- Magenta (44%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8222, 25.1261, 12.3467 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 20.8222, 25.1261, 12.3467 by changing the saturation by 10% instead.

■ 20.8222, 25.1261,
12.3467

■ 20.8222, 25.1261,
12.3467

249.0817,
278.4653, 217.7460

■ 13.1058, 16.1710,
6.8549

■ 44.2849, 51.8617,
30.7988

■ 7.5790, 9.6453,
3.2944

■ 60.7620, 70.4111,
44.5961

■ 3.8763, 5.1644,
1.2469

■ 80.8900, 92.9273,
61.9990

■ 1.6324, 2.3440,
0.0176

■ 105.0344,
119.7948, 83.4260

■ 0.4134, 0.7969,
0.0000

■ 133.5603,
151.3979, 109.2957

■ 0.0000, 0.0000,
0.0000

166.8333,

188.1211, 140.0265

205.2186,
230.3488, 176.0371

■ 20.8222, 25.1261,
12.3467

■ 20.8222, 25.1261,
12.3467

■ 19.8589, 24.6895,
9.6300

■ 21.9147, 25.6177,
15.6699

■ 19.0159, 24.3016,
7.4814

■ 23.1409, 26.1634,
19.6316

■ 18.2859, 23.9604,
5.8610

■ 24.5077, 26.7669,
24.2634

■ 17.6602, 23.6623,
4.7226

■ 26.0204, 27.4303,
29.5944

■ 17.1283, 23.4033,
4.0124

■ 27.6846, 28.1559,
35.6520

■ 16.6857, 23.1839,
3.5955

■ 29.5052, 28.9456,
42.4621

■ 31.4869, 29.8013,
50.0494

■ 33.6344, 30.7250,
58.4373

■ 35.9520, 31.7182,
67.6483

Harmonies

Analogous

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



24.4526, 25.1261, 11.1953



20.8222, 25.1261, 12.3467



18.2783, 25.1261, 17.0451

Triad

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



20.8222, 25.1261, 12.3467



19.9395, 25.1261, 48.8502



32.0499, 25.1261, 29.0128

Complementary

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



20.8222, 25.1261, 12.3467



13.1372, 11.0222, 27.4232

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.



30.5268, 25.1261, 41.1656



20.8222, 25.1261, 12.3467



23.3196, 25.1261, 54.4114

Square

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



20.8222, 25.1261, 12.3467



17.8084, 25.1261, 37.5848



27.2269, 25.1261, 51.2773



31.1990, 25.1261, 19.1782

Rectangle

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



20.8222, 25.1261, 12.3467



17.4043, 25.1261, 22.4203



27.2269, 25.1261, 51.2773



31.7945, 25.1261, 32.9723

Sweetspot

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



20.8228, 25.1272, 12.3472



43.4543, 47.7422, 41.9579



17.2061, 14.9719, 10.5777



9.8998, 10.9196, 9.3983



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.



20.8228, 25.1272, 12.3472



35.6472, 44.2513, 17.4739



16.9880, 23.1503, 12.1678



5.7318, 6.2299, 5.7898



14.7700, 20.5068, 3.1797



0.1590, 0.2052, 0.0312

Inverse Universe

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



13.1372, 11.0222, 27.4232



19.8806, 15.2895, 48.4414



16.7526, 12.8860, 27.5924



5.2274, 5.3054, 6.7773



4.8618, 2.0000, 23.1069



0.0617, 0.0270, 0.2216

Previews

White Background



This preview shows how the XYZ color 20.8222, 25.1261, 12.3467 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 20.8222, 25.1261, 12.3467 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 20.8222, 25.1261, 12.3467

Background



This preview shows how black text looks on a background with the XYZ color 20.8222, 25.1261, 12.3467.



This preview shows how white text looks on a background with the XYZ color 20.8222, 25.1261,

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

20.8222, 25.1261, 12.3467

Protanopia

23.0847, 24.9999, 11.7924

Deuteranopia

25.3948, 24.9365, 12.7073



Tritanopia

24.6399, 25.1726, 30.7543

Trichromacy



Original Color

20.8222, 25.1261, 12.3467

Protanomaly

22.1605, 24.9450, 12.0344

Deuteranomaly

23.5211, 24.7884, 12.5618

Tritanomaly

23.0241, 25.1547, 22.7106

Monochromacy



Original Color

20.8222, 25.1261, 12.3467

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.6138, 24.0578, 20.0275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8222, 25.1261, 12.3467 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(131, 143, 85)` looks like.

```
.text, #text, p{  
    color:rgb(131, 143, 85)  
}
```

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(131, 143, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 143, 85) }
```

Border

The CSS property to change the border of an element to XYZ 20.8222, 25.1261, 12.3467 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(131, 143, 85) }
```


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

```
.border{ border-color:rgb(131, 143, 85) }
```

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

Here you see how a box with a 4 pixel rgb(131, 143, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 143, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 143, 85);  
box-shadow:4px 4px 4px 4px rgb(131, 143,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8222, 25.1261, 12.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 143, 85) }
```

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

```
.background{ background-color: rgb(131,  
143, 85) }
```

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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