

Converting Colors

XYZ(25.4220, 33.1022, 13.2078)

Have a look what the booklet for
XYZ(25.4220, 33.1022, 13.2078)
contains.

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Color

**XYZ(25.5141, 33.2153,
13.2501)**

Conversions

Conversions Part 1

Format	Color
Hex	89A653
RGB	137, 166, 83
RGB Percent	54%, 65%, 33%
CMY	0.4627, 0.3490, 0.6745
CMYK	0.17, 0.00, 0.50, 0.35
HSL	81°, 33%, 49%
HSV	81°, 50%, 65%
XYZ	25.5141, 33.2153, 13.2501
YIQ	147.8670, 9.3590, -31.9610

Conversions

Conversions Part 2

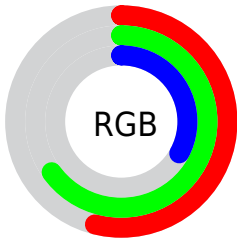
Format	Color
RYB	83, 166, 112
Decimal	9021011
CIELab	64.33, -23.73, 39.40
CIELCh	64, 45.993, 121.061
Yxy	33.2153, 0.3545, 0.4615
Android (android.graphics.Color)	4287211091 (0xFF89A653)
YUV	147.8670, -31.9794, -9.5304
Hunter-Lab	57.6327, -21.8350, 26.7118

Details

The XYZ color **25.5141, 33.2153, 13.2501** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.6596, 12.3853, 37.5908**, and the grayscale version is **28.2200, 29.6896, 32.3320**.

A 20% lighter version of the original color is **51.8978, 64.6406, 32.2958**, and **10.0524, 14.0814, 3.7015** is the 20% darker color. If you saturate the color by 10%, you get **24.0232, 32.5132, 10.2261**, and if you desaturate by 10%, it is **27.2112, 34.0081, 17.0861**.

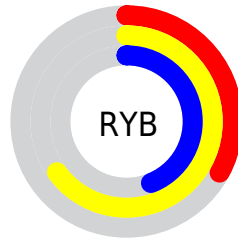
Distribution



Red (54%)

Green (65%)

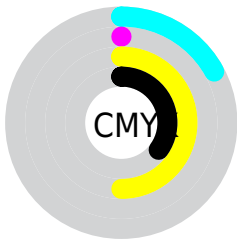
Blue (33%)



Red (33%)

Yellow (65%)

Blue (44%)

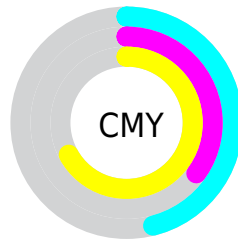


Cyan (17%)

Magenta (0%)

Yellow (50%)

Black (35%)



Cyan (46%)

Magenta (35%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5141, 33.2153, 13.2501 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 25.5141, 33.2153, 13.2501 by changing the saturation by 10% instead.

■ 25.5141, 33.2153,
13.2501

■ 25.5141, 33.2153,
13.2501

272.6893,
316.6188, 223.7782

■ 16.5913, 22.2914,
7.4682

■ 51.9269, 64.7115,
32.4501

■ 10.0370, 14.0712,
3.6738

■ 70.1476, 86.0527,
46.7054

■ 5.4859, 8.1702,
1.4481

■ 92.1983, 111.6350,
64.6222

■ 2.5728, 4.2040,
0.1788

■ 118.4444,
141.8430, 86.6190

■ 0.9321, 1.7883,
0.0000

■ 149.2512,
177.0609, 113.1145

■ 0.0000, 0.4799,
0.0000

184.9840,

■ 0.0000, 0.0000,

217.6733, 144.5272

0.0000

226.0082,
264.0644, 181.2756

■ 25.5141, 33.2153,
13.2501

■ 25.5141, 33.2153,
13.2501

■ 24.0232, 32.5132,
10.2261

■ 27.2112, 34.0081,
17.0861

■ 22.7241, 31.8924,
7.9534

■ 29.1230, 34.8917,
21.7849

■ 21.6043, 31.3491,
6.3660


■ 31.2602, 35.8714,
27.3955


■ 20.6481, 30.8769,
5.3857


■ 33.6319, 36.9512,
33.9629


■ 19.8208, 30.4617,
4.8351


■ 36.2470, 38.1346,
41.5288

 19.8208, 30.4617,
4.8350

 39.1135, 39.4248,
50.1326

 42.2392, 40.8252,
59.8116

 45.6316, 42.3388,
70.6011

 49.2978, 43.9684,
82.5350

Harmonies

Analogous

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



31.3377, 33.2153, 10.7799



25.5141, 33.2153, 13.2501



21.7911, 33.2153, 21.3840

Triad

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



25.5141, 33.2153, 13.2501



25.8659, 33.2153, 77.7453



45.8922, 33.2153, 35.5025

Complementary

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



25.5141, 33.2153, 13.2501



16.6596, 12.3853, 37.5908

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.



43.9086, 33.2153, 56.5497



25.5141, 33.2153, 13.2501



31.8038, 33.2153, 85.4705

Square

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



25.5141, 33.2153, 13.2501



21.9736, 33.2153, 58.1214



38.5158, 33.2153, 76.6389



43.6189, 33.2153, 20.5799

Rectangle

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



25.5141, 33.2153, 13.2501



20.7023, 33.2153, 30.8518



38.5158, 33.2153, 76.6389



45.6992, 33.2153, 42.0574

Sweetspot

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



25.5149, 33.2168, 13.2508



58.7094, 66.0021, 55.1234



22.9366, 20.0289, 10.8412



12.9453, 14.6822, 11.8051



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



25.5149, 33.2168, 13.2508



43.3179, 58.8725, 18.0331



20.1106, 30.4308, 12.9979



7.8886, 8.6407, 8.0413



15.4211, 23.6471, 3.7516



0.4273, 0.6022, 0.0937

Inverse Universe

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



16.6596, 12.3853, 37.5908



25.4141, 16.6818, 67.3557



22.9575, 15.6320, 37.8855



7.3699, 7.4233, 9.4627



6.7372, 2.8566, 28.1718



0.2191, 0.0979, 0.6880

Previews

White Background



This preview shows how the XYZ color 25.5141, 33.2153, 13.2501 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 25.5141, 33.2153, 13.2501 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 25.5141, 33.2153, 13.2501

Background



This preview shows how black text looks on a background with the XYZ color 25.5141, 33.2153, 13.2501.



This preview shows how white text looks on a background with the XYZ color 25.5141, 33.2153, 13.2501.

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

25.5141, 33.2153, 13.2501

Protanopia

30.3497, 33.1268, 12.3839

Deuteranopia

33.5454, 32.8151, 13.5827



Tritanopia

31.4311, 33.2744, 42.3021

Trichromacy



Original Color

25.5141, 33.2153, 13.2501

Protanomaly

28.3541, 33.1066, 12.6804

Deuteranomaly

30.1956, 32.7725, 13.5383

Tritanomaly

28.6599, 32.9059, 28.8857

Monochromacy



Original Color

25.5141, 33.2153, 13.2501

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.8610, 30.8272, 23.6033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5141, 33.2153, 13.2501 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(137, 166, 83)` looks like.

```
.text, #text, p{  
    color:rgb(137, 166, 83)  
}
```

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(137, 166, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 166, 83) }
```

Border

The CSS property to change the border of an element to XYZ 25.5141, 33.2153, 13.2501 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(137, 166, 83) }
```


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

```
.border{ border-color:rgb(137, 166, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 166, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 166, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 166, 83);  
box-shadow:4px 4px 4px 4px rgb(137, 166,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5141, 33.2153, 13.2501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 166, 83) }
```

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

```
.background{ background-color: rgb(137,  
166, 83) }
```

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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