

Converting Colors

XYZ(25.2645, 33.6008, 12.2504)

Have a look what the booklet for
XYZ(25.2645, 33.6008, 12.2504)
contains.

XYZ(25.3339, 33.6920, 12.1891)	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(25.3339, 33.6920,
12.1891)**

Conversions

Conversions Part 1

Format	Color
Hex	87A84D
RGB	135, 168, 77
RGB Percent	53%, 66%, 30%
CMY	0.4706, 0.3412, 0.6980
CMYK	0.20, 0.00, 0.54, 0.34
HSL	82°, 37%, 48%
HSV	82°, 54%, 66%
XYZ	25.3339, 33.6920, 12.1891
YIQ	147.7590, 9.5430, -35.2970

Conversions

Conversions Part 2

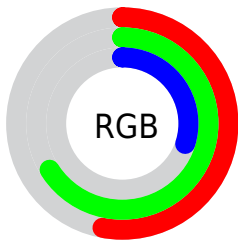
Format	Color
RYB	77, 168, 110
Decimal	8890445
CIELab	64.72, -26.14, 42.78
CIELCh	65, 50.132, 121.428
Yxy	33.6920, 0.3557, 0.4731
Android (android.graphics.Color)	4287080525 (0xFF87A84D)
YUV	147.7590, -34.8842, -11.1896
Hunter-Lab	58.0448, -23.6713, 28.1808

Details

The XYZ color **25.3339, 33.6920, 12.1891** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **16.1534, 11.4508, 38.4066**, and the grayscale version is **28.1866, 29.6545, 32.2937**.

A 20% lighter version of the original color is **51.5853, 65.3075, 30.6556**, and **9.9991, 14.4044, 3.2306** is the 20% darker color. If you saturate the color by 10%, you get **23.8635, 32.9950, 9.4139**, and if you desaturate by 10%, it is **27.0153, 34.4822, 15.7752**.

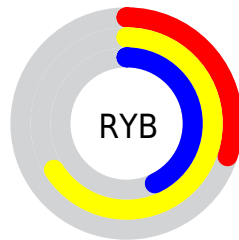
Distribution



Red (53%)

Green (66%)

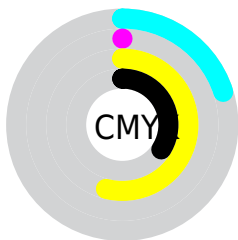
Blue (30%)



Red (30%)

Yellow (66%)

Blue (43%)

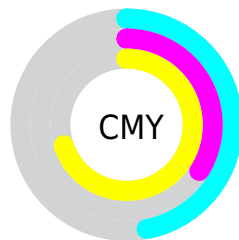


Cyan (20%)

Magenta (0%)

Yellow (54%)

Black (34%)



Cyan (47%)


Magenta (34%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.3339, 33.6920, 12.1891 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 25.3339, 33.6920, 12.1891 by changing the saturation by 10% instead.


 25.3339, 33.6920,
12.1891

 25.3339, 33.6920,
12.1891

271.8138,
318.7565, 216.6753


 16.4561, 22.6571,
6.7485


 51.6374, 65.4544,
30.5086

 9.9403, 14.3405,
3.2293


 69.7937, 86.9507,
44.2245


 5.4214, 8.3579,
1.2129


 91.7736, 112.7029,
61.5360

 2.5338, 4.3248,
0.0000

 117.9424,
143.0954, 82.8616

 0.9123, 1.8569,
0.0000

 148.6655,
178.5127, 108.6198

 0.0000, 0.5222,
0.0000

184.3082,

 0.0000, 0.0000,

219.3390, 139.2291

0.0000

225.2358,
265.9588, 175.1081

■ 25.3339, 33.6920,
12.1891

■ 25.3339, 33.6920,
12.1891

■ 23.8635, 32.9950,
9.4139

■ 27.0153, 34.4822,
15.7752

■ 22.5886, 32.3814,
7.3840

■ 28.9169, 35.3660,
20.2268

■ 21.4953, 31.8466,
6.0270

■ 31.0501, 36.3491,
25.5964

■ 20.5659, 31.3836,
5.2551

■ 33.4250, 37.4356,
31.9314

■ 20.0756, 31.1371,
4.9520

■ 36.0508, 38.6294,
39.2763

■ 38.9361, 39.9340,
47.6726

■ 42.0893, 41.3528,
57.1595

■ 45.5181, 42.8890,
67.7742

■ 49.2302, 44.5458,
79.5522

Harmonies

Analogous

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



31.6794, 33.6920, 9.6115



25.3339, 33.6920, 12.1891



21.3397, 33.6920, 20.8034

Triad

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



25.3339, 33.6920, 12.1891



25.8486, 33.6920, 83.6778



47.9508, 33.6920, 35.7055

Complementary

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



25.3339, 33.6920, 12.1891



16.1534, 11.4508, 38.4066

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.



45.7835, 33.6920, 59.0994



25.3339, 33.6920, 12.1891



32.3695, 33.6920, 92.3028

Square

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



25.3339, 33.6920, 12.1891



21.6041, 33.6920, 61.4829



39.7972, 33.6920, 81.9771



45.3470, 33.6920, 19.6526

Rectangle

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



25.3339, 33.6920, 12.1891



20.1927, 33.6920, 31.0875



39.7972, 33.6920, 81.9771



47.7544, 33.6920, 42.9167

Sweetspot

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



25.3347, 33.6935, 12.1898



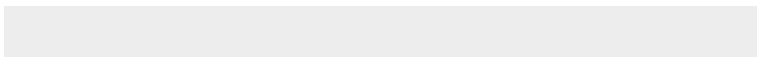
59.6973, 67.4935, 55.3452



22.9419, 19.7670, 9.6279



12.8239, 14.6250, 11.5579



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.



25.3347, 33.6935, 12.1898



42.8048, 59.6334, 16.2303



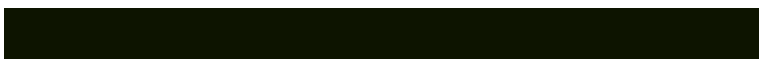
19.6232, 30.7491, 11.9225



7.8790, 8.6358, 8.0409



15.2171, 23.5419, 3.7420



0.4233, 0.6001, 0.0935

Inverse Universe

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



16.1534, 11.4508, 38.4066



24.4327, 15.0281, 68.8381



23.1161, 15.0402, 38.7324



7.3791, 7.4280, 9.4632



6.8394, 2.9093, 28.1766



0.2225, 0.0997, 0.6882

Previews

White Background



This preview shows how the XYZ color 25.3339, 33.6920, 12.1891 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 25.3339, 33.6920, 12.1891 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 25.3339, 33.6920, 12.1891

Background



This preview shows how black text looks on a background with the XYZ color 25.3339, 33.6920, 12.1891.



This preview shows how white text looks on a background with the XYZ color 25.3339, 33.6920,

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

25.3339, 33.6920, 12.1891

Protanopia

30.7151, 33.5937, 11.1687

Deuteranopia

34.0087, 33.3106, 12.6198



Tritanopia

31.6102, 33.5970, 43.3469

Trichromacy



Original Color

25.3339, 33.6920, 12.1891

Protanomaly

28.4781, 33.4577, 11.4356

Deuteranomaly

30.1310, 33.0140, 12.3737

Tritanomaly

28.7634, 33.4864, 28.6144

Monochromacy



Original Color

25.3339, 33.6920, 12.1891

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.5619, 30.6875, 22.9357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3339, 33.6920, 12.1891 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(135, 168, 77)` looks like.

```
.text, #text, p{  
    color:rgb(135, 168, 77)  
}
```

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(135, 168, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 168, 77) }
```

Border

The CSS property to change the border of an element to XYZ 25.3339, 33.6920, 12.1891 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(135, 168, 77) }
```


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

```
.border{ border-color:rgb(135, 168, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 168, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 168, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 168, 77);  
box-shadow:4px 4px 4px 4px rgb(135, 168,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3339, 33.6920, 12.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 168, 77) }
```

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

```
.background{ background-color: rgb(135,  
168, 77) }
```

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