

Converting Colors

XYZ(13.5468, 18.2343, 12.2568)

Have a look what the booklet for
XYZ(13.5468, 18.2343, 12.2568)
contains.

XYZ(13.5468, 18.2343, 12.2568)	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(13.5468, 18.2343,
12.2568)**

Conversions

Conversions Part 1

Format	Color
Hex	588059
RGB	88, 128, 89
RGB Percent	35%, 50%, 35%
CMY	0.6549, 0.4980, 0.6510
CMYK	0.31, 0.00, 0.30, 0.50
HSL	122°, 19%, 42%
HSV	122°, 31%, 50%
XYZ	13.5468, 18.2343, 12.2568
YIQ	111.5940, -11.3210, -20.6090

Conversions

Conversions Part 2

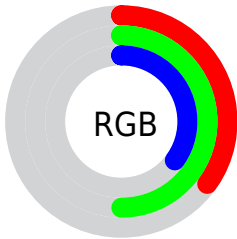
Format	Color
R_{YB}	88, 127, 128
Decimal	5800025
CIE _{Lab}	49.78, -22.35, 16.84
CIE _{LCh}	50, 27.988, 143.001
Yxy	18.2343, 0.3076, 0.4141
Android (android.graphics.Color)	4283990105 (0xFF588059)
YUV	111.5940, -11.1388, -20.6919
Hunter-Lab	42.7016, -18.1000, 12.8729

Details

The XYZ color **13.5468, 18.2343, 12.2568** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2231, 13.1012, 21.7529**, and the grayscale version is **15.3165, 16.1142, 17.5483**.

A 20% lighter version of the original color is **31.8315, 40.4008, 30.5465**, and **4.1071, 6.2175, 3.2691** is the 20% darker color. If you saturate the color by 10%, you get **11.9596, 17.4721, 9.6750**, and if you desaturate by 10%, it is **15.4367, 19.1433, 15.3173**.

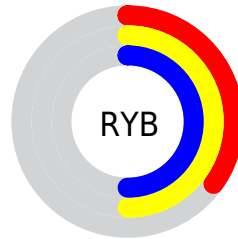
Distribution



Red (35%)

Green (50%)

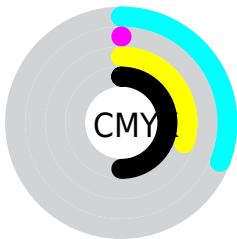
Blue (35%)



Red (35%)

Yellow (50%)

Blue (50%)

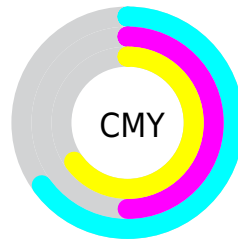


Cyan (31%)

Magenta (0%)

Yellow (30%)

Black (50%)



Cyan (65%)

Magenta (50%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5468, 18.2343, 12.2568 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 13.5468, 18.2343, 12.2568 by changing the saturation by 10% instead.

■ 13.5468, 18.2343,
12.2568

■ 13.5468, 18.2343,
12.2568

207.9605,
242.1884, 217.1359

■ 7.8857, 11.1183,
6.7942

■ 31.8757, 40.4362,
30.6333

■ 4.0731, 6.1465,
3.2572

■ 45.2743, 56.2908,
44.3843

■ 1.7436, 2.9344,
1.2274

■ 61.9827, 75.8272,
61.7351

■ 0.4833, 1.0976,
0.0012

■ 82.3664, 99.4297,
83.1043

■ 0.0000, 0.0000,
0.0000

■ 106.7906,
127.4827, 108.9105

135.6208,

160.3705, 139.5721

169.2223,
198.4776, 175.5077

■ 13.5468, 18.2343,
12.2568

■ 13.5468, 18.2343,
12.2568

■ 11.9596, 17.4721,
9.6750

■ 15.4367, 19.1433,
15.3173

■ 10.6579, 16.8468,
7.5467

■ 17.6422, 20.2038,
18.8779

■ 9.6253, 16.3510,
5.8461


■ 20.1774, 21.4230,
22.9598


■ 8.8429, 15.9757,
4.5441


■ 23.0550, 22.8071,
27.5829


■ 8.2894, 15.7105,
3.6085


■ 26.2872, 24.3620,
32.7659


 7.9403, 15.5436,
3.0015

 29.8854, 26.0932,
38.5268

 7.7371, 15.4461,
2.6656

 33.8606, 28.0059,
44.8826

 38.2234, 30.1053,
51.8496

 42.9837, 32.3962,
59.4437

Harmonies

Analogous

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



15.4020, 18.2343, 9.1645



13.5468, 18.2343, 12.2568



12.7197, 18.2343, 18.1162

Triad

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



13.5468, 18.2343, 12.2568



16.7132, 18.2343, 38.3090



22.4979, 18.2343, 14.6466

Complementary

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



13.5468, 18.2343, 12.2568



16.2231, 13.1012, 21.7529

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.



22.9408, 18.2343, 21.6997



13.5468, 18.2343, 12.2568



19.4150, 18.2343, 36.6910

Square

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



13.5468, 18.2343, 12.2568



14.4222, 18.2343, 34.0591



21.7618, 18.2343, 30.0789



20.6070, 18.2343, 10.2765

Rectangle

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



13.5468, 18.2343, 12.2568



12.7958, 18.2343, 23.3477



21.7618, 18.2343, 30.0789



22.8285, 18.2343, 16.7275

Sweetspot

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



13.5473, 18.2351, 12.2572



31.9249, 35.9860, 34.6293



18.2835, 20.6815, 12.2608



7.3496, 8.3652, 7.9064



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.5473, 18.2351, 12.2572



21.6735, 31.0577, 18.0403



14.4865, 18.6108, 17.2032



4.2801, 4.8204, 4.6460



7.6716, 15.3152, 2.6434



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.2231, 13.1012, 21.7529



27.2169, 20.4204, 37.7112



15.0637, 12.6375, 15.6478



4.4937, 4.4106, 5.4041



12.4847, 6.0136, 19.6740



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.5468, 18.2343, 12.2568 looks on a white 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

Black Background



This preview shows how the XYZ color 13.5468, 18.2343, 12.2568 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 13.5468, 18.2343, 12.2568

Background



This preview shows how black text looks on a background with the XYZ color 13.5468, 18.2343, 12.2568.



This preview shows how white text looks on a background with the XYZ color 13.5468, 18.2343,

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

13.5468, 18.2343, 12.2568

Protanopia

16.8705, 18.1248, 11.2036

Deuteranopia

18.3181, 17.9862, 12.6314



Tritanopia

15.9483, 18.0718, 24.4774

Trichromacy



Original Color

13.5468, 18.2343, 12.2568

Protanomaly

15.4493, 18.1017, 11.4838

Deuteranomaly

16.1125, 17.7053, 12.4658

Tritanomaly

14.8742, 18.0034, 19.2140

Monochromacy



Original Color

13.5468, 18.2343, 12.2568

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.5706, 16.8399, 15.5792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5468, 18.2343, 12.2568 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(88, 128, 89) looks like.

```
.text, #text, p{  
  color:rgb(88, 128, 89)  
}
```

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(88, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 128, 89) }
```

Border

The CSS property to change the border of an element to XYZ 13.5468, 18.2343, 12.2568 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(88, 128, 89) }
```


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

```
.border{ border-color:rgb(88, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(88, 128,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5468, 18.2343, 12.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 128, 89) }
```

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

```
.background{ background-color: rgb(88, 128,  
89) }
```

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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