

Converting Colors

XYZ(12.6564, 18.8563, 8.4420)

Have a look what the booklet for
XYZ(12.6564, 18.8563, 8.4420)
contains.

XYZ(12.6554, 18.8547, 8.4412)	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(12.6554, 18.8547,
8.4412)**

Conversions

Conversions Part 1

Format	Color
Hex	4F8544
RGB	79, 133, 68
RGB Percent	31%, 52%, 27%
CMY	0.6902, 0.4784, 0.7333
CMYK	0.41, 0.00, 0.49, 0.48
HSL	110°, 32%, 39%
HSV	110°, 49%, 52%
XYZ	12.6554, 18.8547, 8.4412
YIQ	109.4440, -11.3190, -31.6630

Conversions

Conversions Part 2

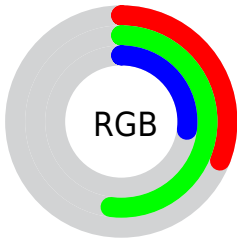
Format	Color
RYB	68, 133, 122
Decimal	5211460
CIELab	50.52, -31.39, 29.40
CIElCh	51, 43.012, 136.872
Yxy	18.8547, 0.3168, 0.4719
Android (android.graphics.Color)	4283401540 (0xFF4F8544)
YUV	109.4440, -20.4319, -26.6994
Hunter-Lab	43.4220, -23.9644, 18.8695

Details

The XYZ color **12.6554, 18.8547, 8.4412** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.3277, 9.9659, 23.3598**, and the grayscale version is **14.7212, 15.4879, 16.8663**.

A 20% lighter version of the original color is **30.3413, 41.6503, 23.2698**, and **3.6806, 6.4737, 1.7650** is the 20% darker color. If you saturate the color by 10%, you get **11.4508, 18.2760, 6.5012**, and if you desaturate by 10%, it is **14.1058, 19.5506, 10.8744**.

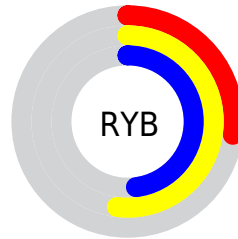
Distribution



Red (31%)

Green (52%)

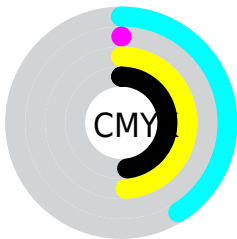
Blue (27%)



Red (27%)

Yellow (52%)

Blue (48%)

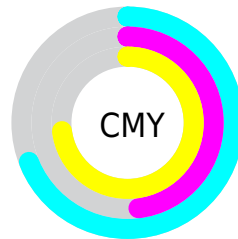


Cyan (41%)

Magenta (0%)

Yellow (49%)

Black (48%)



Cyan (69%)

Magenta (48%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6554, 18.8547, 8.4412 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 12.6554, 18.8547, 8.4412 by changing the saturation by 10% instead.

■ 12.6554, 18.8547,
8.4412

■ 12.6554, 18.8547,
8.4412

202.3798,
245.6454, 189.2147

■ 7.2670, 11.5653,
4.2867

■ 30.2899, 41.4884,
23.3792

■ 3.6775, 6.4484,
1.7839

■ 43.2668, 57.6016,
34.9999

■ 1.5213, 3.1196,
0.4173

■ 59.5038, 77.4248,
49.9463

■ 0.3403, 1.1945,
0.0000

■ 79.3665, 101.3425,
68.6371

■ 0.0000, 0.0572,
0.0000

■ 103.2200,
129.7390, 91.4908

■ 0.0000, 0.0000,
0.0000

131.4298,

162.9987, 118.9260

164.3613,
201.5061, 151.3611

■ 12.6554, 18.8547,
8.4412

■ 12.6554, 18.8547,
8.4412

■ 11.4508, 18.2760,
6.5012

■ 14.1058, 19.5506,
10.8744

■ 10.4769, 17.8057,
5.0194

■ 15.8135, 20.3673,
13.8298

■ 9.7188, 17.4375,
3.9585


■ 17.7907, 21.3111,
17.3361


■ 9.1591, 17.1636,
3.2747


■ 20.0486, 22.3870,
21.4190


■ 8.7669, 16.9703,
2.8566


■ 22.5975, 23.6000,
26.1031

 8.7300, 16.9522,
2.8120

 25.4476, 24.9547,
31.4111

 28.6081, 26.4555,
37.3650

 32.0882, 28.1066,
43.9853

 35.8964, 29.9121,
51.2918

Harmonies

Analogous

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



15.6804, 18.8547, 5.4093



12.6554, 18.8547, 8.4412



11.1578, 18.8547, 15.7174

Triad

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



12.6554, 18.8547, 8.4412



16.1506, 18.8547, 52.2414



26.8002, 18.8547, 14.5288

Complementary

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



12.6554, 18.8547, 8.4412



14.3277, 9.9659, 23.3598

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.



26.9790, 18.8547, 26.2356



12.6554, 18.8547, 8.4412



20.3651, 18.8547, 51.5168

Square

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



12.6554, 18.8547, 8.4412



12.9532, 18.8547, 42.4233



24.4752, 18.8547, 40.7155



24.0194, 18.8547, 7.8648

Rectangle

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



12.6554, 18.8547, 8.4412



11.0468, 18.8547, 23.4193



24.4752, 18.8547, 40.7155



27.1802, 18.8547, 17.8879

Sweetspot

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



12.6559, 18.8555, 8.4416



33.2273, 38.8149, 33.5052



17.5646, 19.0998, 8.2301



7.3280, 8.6694, 7.2642



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.6559, 18.8555, 8.4416



20.2237, 32.5914, 11.2019



12.5578, 18.7192, 12.3115



4.6844, 5.2398, 4.9939



8.3203, 16.1492, 2.6786



0.0331, 0.0581, 0.0095

Inverse Universe

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



14.3277, 9.9659, 23.3598



23.5684, 14.6279, 41.3197



14.6886, 10.3005, 16.6659



4.7827, 4.7241, 5.8605



10.2224, 4.8040, 21.5252



0.0405, 0.0193, 0.0748

Previews

White Background



This preview shows how the XYZ color 12.6554, 18.8547, 8.4412 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 12.6554, 18.8547, 8.4412 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 12.6554, 18.8547, 8.4412

Background



This preview shows how black text looks on a background with the XYZ color 12.6554, 18.8547, 8.4412.



This preview shows how white text looks on a background with the XYZ color 12.6554, 18.8547,

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

12.6554, 18.8547, 8.4412

Protanopia

17.1294, 18.6974, 7.4088

Deuteranopia

18.8970, 18.5354, 8.8850



Tritanopia

16.0919, 18.6690, 26.0479

Trichromacy



Original Color

12.6554, 18.8547, 8.4412

Protanomaly

15.0978, 18.5596, 7.7876

Deuteranomaly

15.8599, 18.1946, 8.6372

Tritanomaly

14.5189, 18.6123, 17.8662

Monochromacy



Original Color

12.6554, 18.8547, 8.4412

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.5358, 16.3617, 13.0344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6554, 18.8547, 8.4412 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(79, 133, 68)` looks like.

```
.text, #text, p{  
    color:rgb(79, 133, 68)  
}
```

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(79, 133, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 133, 68) }
```

Border

The CSS property to change the border of an element to XYZ 12.6554, 18.8547, 8.4412 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(79, 133, 68) }
```


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

```
.border{ border-color:rgb(79, 133, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 133, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 133, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 133, 68);  
box-shadow:4px 4px 4px 4px rgb(79, 133,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6554, 18.8547, 8.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 133, 68) }
```

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

```
.background{ background-color: rgb(79, 133,  
68) }
```

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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