

Converting Colors

XYZ(12.2275, 18.4757, 8.2833)

Have a look what the booklet for
XYZ(12.2275, 18.4757, 8.2833)
contains.

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Color

**XYZ(12.1660, 18.4036,
8.2212)**

Conversions

Conversions Part 1

Format	Color
Hex	4B8443
RGB	75, 132, 67
RGB Percent	29%, 52%, 26%
CMY	0.7059, 0.4823, 0.7372
CMYK	0.43, 0.00, 0.49, 0.48
HSL	113°, 33%, 39%
HSV	113°, 49%, 52%
XYZ	12.1660, 18.4036, 8.2212
YIQ	107.5470, -13.1070, -32.2990

Conversions

Conversions Part 2

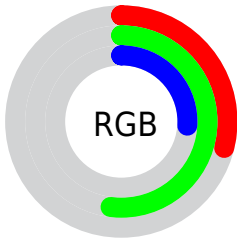
Format	Color
R_{YB}	67, 132, 124
Decimal	4949059
CIE _{Lab}	49.98, -32.42, 29.23
CIE _{LCh}	50, 43.652, 137.963
Yxy	18.4036, 0.3136, 0.4744
Android (android.graphics.Color)	4283139139 (0xFF4B8443)
YUV	107.5470, -19.9897, -28.5437
Hunter-Lab	42.8994, -24.4525, 18.6673

Details

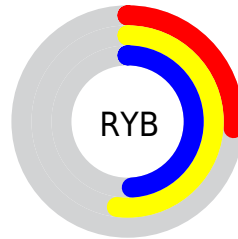
The XYZ color **12.1660, 18.4036, 8.2212** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.4851, 9.9659, 22.9909**, and the grayscale version is **14.1842, 14.9229, 16.2510**.

A 20% lighter version of the original color is **29.4637, 40.8908, 22.8628**, and **3.4835, 6.2593, 1.7340** is the 20% darker color. If you saturate the color by 10%, you get **10.9899, 17.8385, 6.3296**, and if you desaturate by 10%, it is **13.5981, 19.0913, 10.5969**.

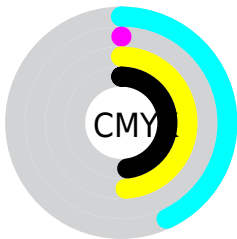
Distribution



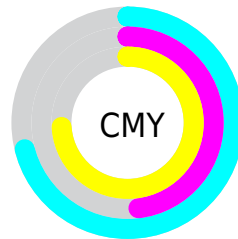
- Red (29%)
- Green (52%)
- Blue (26%)



- Red (26%)
- Yellow (52%)
- Blue (49%)



- Cyan (43%)
- Magenta (0%)
- Yellow (49%)
- Black (48%)



- Cyan (71%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1660, 18.4036, 8.2212 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 12.1660, 18.4036, 8.2212 by changing the saturation by 10% instead.

■ 12.1660, 18.4036,
8.2212

■ 12.1660, 18.4036,
8.2212

199.2487,
243.1362, 187.4558

■ 6.9298, 11.2401,
4.1470

■ 29.4113, 40.7239,
22.9442

■ 3.4642, 6.2286,
1.7063

■ 42.1512, 56.6494,
34.4302

■ 1.4037, 2.9846,
0.3651

■ 58.1230, 76.2645,
49.2238

■ 0.2589, 1.1237,
0.0000

■ 77.6921, 99.9535,
67.7436

■ 0.0000, 0.0000,
0.0000

■ 101.2239,
128.1008, 90.4082

129.0837,

161.0907, 117.6360

161.6368,
199.3077, 149.8457

■ 12.1660, 18.4036,
8.2212

■ 12.1660, 18.4036,
8.2212

■ 10.9899, 17.8385,
6.3296

■ 13.5981, 19.0913,
10.5969

■ 10.0533, 17.3866,
4.8876

■ 15.2987, 19.9058,
13.4855

■ 9.3398, 17.0408,
3.8583


■ 17.2812, 20.8540,
16.9149


■ 8.8304, 16.7923,
3.1985


■ 19.5576, 21.9415,
20.9109


■ 8.4904, 16.6257,
2.7903


■ 22.1394, 23.1736,
25.4974

 8.4695, 16.6156,
2.7607

 25.0371, 24.5553,
30.6971

 28.2612, 26.0916,
36.5314

 31.8212, 27.7869,
43.0207

 35.7266, 29.6457,
50.1844

Harmonies

Analogous

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



15.1238, 18.4036, 5.1305



12.1660, 18.4036, 8.2212



10.7381, 18.4036, 15.6026

Triad

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



12.1660, 18.4036, 8.2212



15.8656, 18.4036, 52.1237



26.3269, 18.4036, 13.7331

Complementary

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



12.1660, 18.4036, 8.2212



14.4851, 9.9659, 22.9909

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.



26.6110, 18.4036, 25.2441



12.1660, 18.4036, 8.2212



20.0955, 18.4036, 50.9650

Square

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



12.1660, 18.4036, 8.2212



12.6341, 18.4036, 42.5170



24.1820, 18.4036, 39.7929



23.4586, 18.4036, 7.3248

Rectangle

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



12.1660, 18.4036, 8.2212



10.6664, 18.4036, 23.4069



24.1820, 18.4036, 39.7929



26.7427, 18.4036, 17.0097

Sweetspot

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



12.1665, 18.4044, 8.2216



31.9435, 37.4514, 32.4233



17.6540, 19.5604, 8.1555



7.2730, 8.6411, 7.2616



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.



12.1665, 18.4044, 8.2216



19.1608, 31.3262, 10.8391



12.4477, 18.4491, 12.7653



4.6657, 5.2302, 4.9930



8.2030, 16.0888, 2.6731



0.0316, 0.0574, 0.0094

Inverse Universe

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



14.4851, 9.9659, 22.9909



23.7181, 14.6354, 40.0280



14.2392, 10.0066, 15.4155



4.8030, 4.7346, 5.8615



10.9782, 5.1936, 21.5605



0.0420, 0.0200, 0.0749

Previews

White Background



This preview shows how the XYZ color 12.1660, 18.4036, 8.2212 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 12.1660, 18.4036, 8.2212 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 12.1660, 18.4036, 8.2212

Background



This preview shows how black text looks on a background with the XYZ color 12.1660, 18.4036, 8.2212.



This preview shows how white text looks on a background with the XYZ color 12.1660, 18.4036,

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

12.1660, 18.4036, 8.2212

Protanopia

16.5539, 18.0505, 7.1690

Deuteranopia

18.4025, 18.1178, 8.6581



Tritanopia

15.7313, 18.4912, 25.6617

Trichromacy



Original Color

12.1660, 18.4036, 8.2212

Protanomaly

14.4388, 17.8511, 7.5351

Deuteranomaly

15.2932, 17.7267, 8.4099

Tritanomaly

14.1009, 18.4031, 17.5608

Monochromacy



Original Color

12.1660, 18.4036, 8.2212

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.1609, 15.9997, 12.7505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1660, 18.4036, 8.2212 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(75, 132, 67)` looks like.

```
.text, #text, p{  
    color:rgb(75, 132, 67)  
}
```

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(75, 132, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 132, 67) }
```

Border

The CSS property to change the border of an element to XYZ 12.1660, 18.4036, 8.2212 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(75, 132, 67) }
```


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

```
.border{ border-color:rgb(75, 132, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 132, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 132, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 132, 67);  
box-shadow:4px 4px 4px 4px rgb(75, 132,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1660, 18.4036, 8.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 132, 67) }
```

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

```
.background{ background-color: rgb(75, 132,  
67) }
```

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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