

Converting Colors

XYZ(18.8772, 30.7836, 16.4332)

Have a look what the booklet for
XYZ(18.8772, 30.7836, 16.4332)
contains.

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Color

**XYZ(18.8941, 30.8246,
16.5092)**

Conversions

Conversions Part 1

Format	Color
Hex	43AA62
RGB	67, 170, 98
RGB Percent	26%, 67%, 38%
CMY	0.7372, 0.3333, 0.6157
CMYK	0.61, 0.00, 0.42, 0.33
HSL	138°, 43%, 46%
HSV	138°, 61%, 67%
XYZ	18.8941, 30.8246, 16.5092
YIQ	130.9950, -38.2760, -44.2280

Conversions

Conversions Part 2

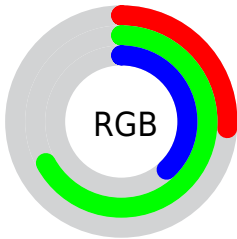
Format	Color
RYB	67, 146, 170
Decimal	4434530
CIELab	62.36, -45.95, 28.45
CIELCh	62, 54.044, 148.230
Yxy	30.8246, 0.2853, 0.4654
Android (android.graphics.Color)	4282624610 (0xFF43AA62)
YUV	130.9950, -16.2665, -56.1236
Hunter-Lab	55.5199, -36.4141, 21.2337

Details

The XYZ color **18.8941, 30.8246, 16.5092** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **23.2459, 14.4251, 25.9864**, and the grayscale version is **21.6384, 22.7652, 24.7914**.

A 20% lighter version of the original color is **41.0136, 60.8798, 38.4435**, and **6.9370, 12.9529, 5.1521** is the 20% darker color. If you saturate the color by 10%, you get **17.3753, 30.1026, 13.7237**, and if you desaturate by 10%, it is **20.8399, 31.7588, 19.7510**.

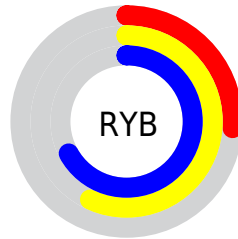
Distribution



Red (26%)

Green (67%)

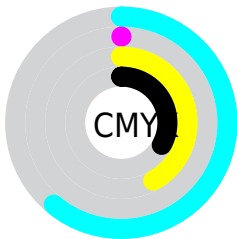
Blue (38%)



Red (26%)

Yellow (57%)

Blue (67%)

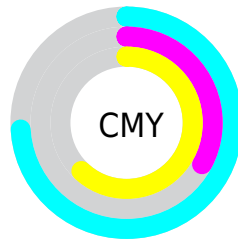


Cyan (61%)

Magenta (0%)

Yellow (42%)

Black (33%)



Cyan (74%)

Magenta (33%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8941, 30.8246, 16.5092 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 18.8941, 30.8246, 16.5092 by changing the saturation by 10% instead.

■ 18.8941, 30.8246,
16.5092

■ 18.8941, 30.8246,
16.5092

238.8129,
305.7294, 244.2754

■ 11.6973, 20.4653,
9.7269

■ 41.0733, 60.9638,
38.2590

■ 6.6087, 12.7337,
5.1151

■ 56.7865, 81.5125,
54.0636

■ 3.2627, 7.2455,
2.2550

■ 76.0692, 106.2265,
73.7127

■ 1.2942, 3.6161,
0.7059

■ 99.2868, 135.4902,
97.6250

■ 0.1789, 1.4612,
0.0000

■ 126.8046,
169.6879, 126.2188

■ 0.0000, 0.2612,
0.0000

158.9879,

■ 0.0000, 0.0000,

209.2041, 159.9128

0.0000

196.2023,
254.4232, 199.1255

■ 18.8941, 30.8246,
16.5092

■ 18.8941, 30.8246,
16.5092

■ 17.3753, 30.1026,
13.7237

■ 20.8399, 31.7588,
19.7510

■ 16.2465, 29.5716,
11.3717

■ 23.2410, 32.9169,
23.4662

■ 15.4682, 29.2125,
9.4314

■ 26.1258, 34.3139,
27.6740

■ 14.9765, 28.9911,
7.9576

■ 29.5198, 35.9627,
32.3913

■ 33.4467, 37.8751,
37.6348

■ 37.9284, 40.0621,
43.4199

■ 42.9858, 42.5342,
49.7617

■ 48.6388, 45.3012,
56.6747

■ 54.9060, 48.3726,
64.1726

Harmonies

Analogous

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



23.1363, 30.8246, 9.1138



18.8941, 30.8246, 16.5092



17.3692, 30.8246, 32.3341

Triad

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



18.8941, 30.8246, 16.5092



28.8656, 30.8246, 92.0624



43.5176, 30.8246, 17.8885

Complementary

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



18.8941, 30.8246, 16.5092



23.2459, 14.4251, 25.9864

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.



45.7228, 30.8246, 34.8222



18.8941, 30.8246, 16.5092



36.4664, 30.8246, 83.0253

Square

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



18.8941, 30.8246, 16.5092



22.4995, 30.8246, 80.7707



42.9546, 30.8246, 59.5490



37.3438, 30.8246, 9.6455

Rectangle

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



18.8941, 30.8246, 16.5092



17.8673, 30.8246, 47.8054



42.9546, 30.8246, 59.5490



44.7885, 30.8246, 22.4736

Sweetspot

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



18.8949, 30.8259, 16.5099



55.0836, 65.9900, 60.8351



26.0531, 34.6537, 10.6262



11.8582, 14.5089, 12.9889



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.8949, 30.8259, 16.5099



30.6799, 54.2169, 23.2149



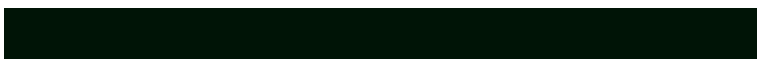
22.1472, 32.1268, 33.6365



7.5262, 8.4435, 8.4912



11.0386, 21.3342, 5.9699



0.2909, 0.5280, 0.2629

Inverse Universe

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



23.2459, 14.4251, 25.9864



39.2422, 21.7484, 41.7195



20.3305, 13.2589, 10.6340



7.7443, 7.6276, 8.9706



14.6623, 7.2736, 13.5651



0.3777, 0.1854, 0.4407

Previews

White Background



This preview shows how the XYZ color 18.8941, 30.8246, 16.5092 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 18.8941, 30.8246, 16.5092 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 18.8941, 30.8246, 16.5092

Background



This preview shows how black text looks on a background with the XYZ color 18.8941, 30.8246, 16.5092.



This preview shows how white text looks on a background with the XYZ color 18.8941, 30.8246,

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

18.8941, 30.8246, 16.5092

Protanopia

28.0617, 30.4434, 14.0700

Deuteranopia

30.6812, 30.1094, 17.2913



Tritanopia

24.5047, 30.6696, 44.6727

Trichromacy



Original Color

18.8941, 30.8246, 16.5092



Protanomaly

23.0860, 29.5714, 14.8470



Deuteranomaly

24.2707, 29.1450, 16.9167



Tritanomaly

21.8571, 30.3756, 31.9052

Monochromacy



Original Color

18.8941, 30.8246, 16.5092



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.6395, 24.7709, 21.1989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8941, 30.8246, 16.5092 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(67, 170, 98)` looks like.

```
.text, #text, p{  
    color:rgb(67, 170, 98)  
}
```

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(67, 170, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 170, 98) }
```

Border

The CSS property to change the border of an element to XYZ 18.8941, 30.8246, 16.5092 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(67, 170, 98) }
```


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

```
.border{ border-color:rgb(67, 170, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 170, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 170, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 170, 98);  
box-shadow:4px 4px 4px 4px rgb(67, 170,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8941, 30.8246, 16.5092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 170, 98) }
```

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

```
.background{ background-color: rgb(67, 170,  
98) }
```

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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