

Converting Colors

XYZ(18.4189, 28.9114, 24.0573)

Have a look what the booklet for
XYZ(18.4189, 28.9114, 24.0573)
contains.

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Color

**XYZ(18.5220, 29.0947,
24.0417)**

Conversions

Conversions Part 1

Format	Color
Hex	33A57D
RGB	51, 165, 125
RGB Percent	20%, 65%, 49%
CMY	0.8000, 0.3529, 0.5098
CMYK	0.69, 0.00, 0.24, 0.35
HSL	159°, 53%, 42%
HSV	159°, 69%, 65%
XYZ	18.5220, 29.0947, 24.0417
YIQ	126.3540, -55.1040, -36.6080

Conversions

Conversions Part 2

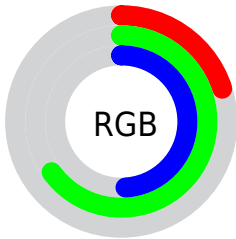
Format	Color
RYB	51, 120, 165
Decimal	3384701
CIELab	60.87, -41.43, 11.64
CIELCh	61, 43.039, 164.304
Yxy	29.0947, 0.2585, 0.4060
Android (android.graphics.Color)	4281574781 (0xFF33A57D)
YUV	126.3540, -0.6675, -66.0855
Hunter-Lab	53.9395, -33.1000, 11.3312

Details

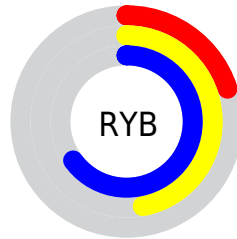
The XYZ color **18.5220, 29.0947, 24.0417** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.5901, 11.1229, 11.0656**, and the grayscale version is **19.9681, 21.0080, 22.8777**.

A 20% lighter version of the original color is **40.5744, 58.3720, 51.2479**, and **7.0987, 12.1101, 8.8008** is the 20% darker color. If you saturate the color by 10%, you get **17.4745, 28.5970, 22.1183**, and if you desaturate by 10%, it is **19.8876, 29.7555, 26.0938**.

Distribution



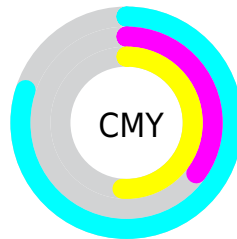
- Red (20%)
- Green (65%)
- Blue (49%)



- Red (20%)
- Yellow (47%)
- Blue (65%)



- Cyan (69%)
- Magenta (0%)
- Yellow (24%)
- Black (35%)



- Cyan (80%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5220, 29.0947, 24.0417 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 18.5220, 29.0947, 24.0417 by changing the saturation by 10% instead.

■ 18.5220, 29.0947,
24.0417

■ 18.5220, 29.0947,
24.0417

236.7862,
297.6615, 286.3246

■ 11.4274, 19.1525,
15.1521

■ 40.4480, 58.2275,
51.0429

■ 6.4245, 11.7805,
8.7784

■ 56.0100, 78.1869,
69.9916

■ 3.1479, 6.5944,
4.5021

■ 75.1252, 102.2541,
93.1304

■ 1.2325, 3.2098,
1.9046

■ 98.1589, 130.8135,
120.8778

■ 0.1318, 1.2422,
0.4957

■ 125.4765,
164.2496, 153.6524

■ 0.0000, 0.0958,
0.0000

157.4434,

■ 0.0000, 0.0000,

202.9467, 191.8727

0.0000

194.4248,
247.2892, 235.9572

■ 18.5220, 29.0947,
24.0417

■ 18.5220, 29.0947,
24.0417

■ 17.4745, 28.5970,
22.1183

■ 19.8876, 29.7555,
26.0938

■ 16.7096, 28.2417,
20.3182

■ 21.5974, 30.5904,
28.2759

■ 16.1617, 27.9959,
18.6369

■ 23.6774, 31.6136,
30.5915

■ 16.1150, 27.9750,
18.4893

■ 26.1503, 32.8367,
33.0435

■ 29.0369, 34.2704,
35.6346

■ 32.3566, 35.9247,
38.3674

■ 36.1274, 37.8089,
41.2444

■ 40.3665, 39.9316,
44.2680

■ 45.0899, 42.3013,
47.4406

Harmonies

Analogous

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



20.7886, 29.0947, 14.3273



18.5220, 29.0947, 24.0417



18.4702, 29.0947, 39.9332

Triad

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



18.5220, 29.0947, 24.0417



30.4027, 29.0947, 71.9852



36.1052, 29.0947, 14.6417

Complementary

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



18.5220, 29.0947, 24.0417



18.5901, 11.1229, 11.0656

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.



39.4661, 29.0947, 24.6489



18.5220, 29.0947, 24.0417



35.8846, 29.0947, 59.2978

Square

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



18.5220, 29.0947, 24.0417



24.8395, 29.0947, 71.6505



39.3803, 29.0947, 40.7838



30.6727, 29.0947, 10.2875

Rectangle

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



18.5220, 29.0947, 24.0417



19.6725, 29.0947, 52.4520



39.3803, 29.0947, 40.7838



37.5454, 29.0947, 17.2739

Sweetspot

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



18.5228, 29.0959, 24.0424



50.7474, 60.7500, 62.7295



18.5475, 29.4672, 7.8425



10.7946, 13.1322, 13.4482



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.5228, 29.0959, 24.0424



30.4918, 50.8380, 37.8329



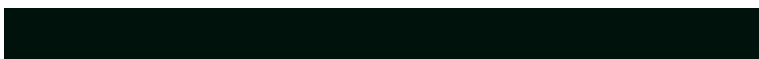
19.0321, 25.1704, 39.4539



7.1700, 7.9688, 8.5072



12.2150, 21.1724, 14.1147



0.2777, 0.4533, 0.4076

Inverse Universe

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



18.5901, 11.1229, 11.0656



30.6759, 16.5102, 13.3235



18.0753, 12.1588, 4.5265



7.1716, 7.1251, 7.8902



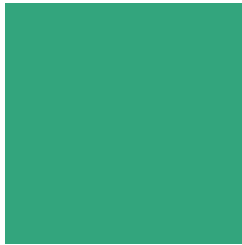
12.3364, 6.2906, 3.6962



0.2810, 0.1409, 0.1922

Previews

White Background



This preview shows how the XYZ color 18.5220, 29.0947, 24.0417 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 18.5220, 29.0947, 24.0417 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 18.5220, 29.0947, 24.0417

Background



This preview shows how black text looks on a background with the XYZ color 18.5220, 29.0947, 24.0417.



This preview shows how white text looks on a background with the XYZ color 18.5220, 29.0947,

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

18.5220, 29.0947, 24.0417

Protanopia

26.9488, 28.7873, 20.6591

Deuteranopia

29.0712, 28.6608, 25.1190



Tritanopia

22.4431, 29.1144, 43.4665

Trichromacy



Original Color

18.5220, 29.0947, 24.0417



Protanomaly

22.0571, 27.8963, 21.6748



Deuteranomaly

23.1148, 27.6563, 24.5420



Tritanomaly

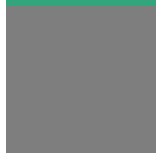
20.7756, 28.9463, 35.5025

Monochromacy



Original Color

18.5220, 29.0947, 24.0417



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.2896, 22.9152, 23.1978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5220, 29.0947, 24.0417 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(51, 165, 125)` looks like.

```
.text, #text, p{  
    color:rgb(51, 165, 125)  
}
```

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(51, 165, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 165, 125) }
```

Border

The CSS property to change the border of an element to XYZ 18.5220, 29.0947, 24.0417 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(51, 165, 125) }
```


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

```
.border{ border-color:rgb(51, 165, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 165, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 165, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 165, 125);  
box-shadow:4px 4px 4px 4px rgb(51, 165,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5220, 29.0947, 24.0417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 165, 125) }
```

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

```
.background{ background-color: rgb(51, 165,  
125) }
```

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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