

Converting Colors

XYZ(18.2298, 29.1457, 23.2675)

Have a look what the booklet for
XYZ(18.2298, 29.1457, 23.2675)
contains.

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Color

**XYZ(18.2936, 29.2604,
23.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	2DA67B
RGB	45, 166, 123
RGB Percent	18%, 65%, 48%
CMY	0.8235, 0.3490, 0.5176
CMYK	0.73, 0.00, 0.26, 0.35
HSL	159°, 57%, 41%
HSV	159°, 73%, 65%
XYZ	18.2936, 29.2604, 23.4225
YIQ	124.9190, -58.3130, -39.0250

Conversions

Conversions Part 2

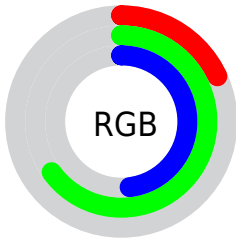
Format	Color
RYB	45, 119, 166
Decimal	2991739
CIELab	61.01, -43.26, 12.94
CIELCh	61, 45.153, 163.345
Yxy	29.2604, 0.2577, 0.4123
Android (android.graphics.Color)	4281181819 (0xFF2DA67B)
YUV	124.9190, -0.9461, -70.0890
Hunter-Lab	54.0929, -34.2959, 12.1921

Details

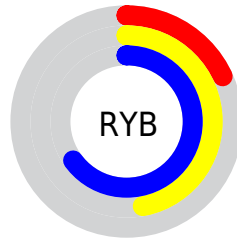
The XYZ color **18.2936, 29.2604, 23.4225** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.4268, 10.6892, 10.3260**, and the grayscale version is **19.4838, 20.4985, 22.3228**.

A 20% lighter version of the original color is **40.1421, 58.5653, 50.2628**, and **7.1412, 12.3047, 8.4772** is the 20% darker color. If you saturate the color by 10%, you get **17.3436, 28.8128, 21.5083**, and if you desaturate by 10%, it is **19.5546, 29.8672, 25.4687**.

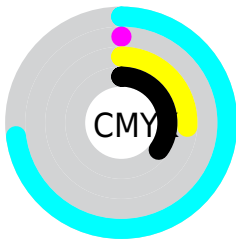
Distribution



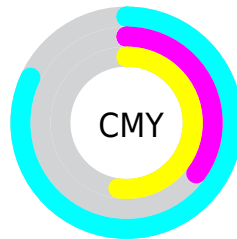
- Red (18%)
- Green (65%)
- Blue (48%)



- Red (18%)
- Yellow (47%)
- Blue (65%)



- Cyan (73%)
- Magenta (0%)
- Yellow (26%)
- Black (35%)





- Cyan (82%)
- Magenta (35%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.2936, 29.2604, 23.4225 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 18.2936, 29.2604, 23.4225 by changing the saturation by 10% instead.


 18.2936, 29.2604,
23.4225

 18.2936, 29.2604,
23.4225


235.5345,
298.4416, 283.0796


 11.2619, 19.2779,
14.6976


 40.0632, 58.4906,
50.0181


 6.3119, 11.8713,
8.4631


 55.5318, 78.5070,
68.7259


 3.0781, 6.6561,
4.3007


 74.5434, 102.6369,
91.5983

 1.1952, 3.2480,
1.7917

 97.4634, 131.2646,
119.0539

 0.1026, 1.2625,
0.4225

 124.6572,
164.7745, 151.5114

 0.0000, 0.1119,
0.0000

156.4900,

 0.0000, 0.0000,

203.5511, 189.3891

0.0000

193.3273,
247.9786, 233.1056

■ 18.2936, 29.2604,
23.4225

■ 18.2936, 29.2604,
23.4225

■ 17.3436, 28.8128,
21.5083

■ 19.5546, 29.8672,
25.4687

■ 16.6660, 28.5024,
19.7205

■ 21.1547, 30.6455,
27.6483

■ 16.2909, 28.3351,
18.5224

■ 23.1214, 31.6102,
29.9652

■ 25.4786, 32.7734,
32.4224

■ 28.2483, 34.1466,
35.0227

■ 31.4506, 35.7399,
37.7690

■ 35.1043, 37.5632,
40.6637

■ 39.2272, 39.6255,
43.7095

■ 43.8358, 41.9353,
46.9089

Harmonies

Analogous

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



20.7259, 29.2604, 13.5862



18.2936, 29.2604, 23.4225



18.1656, 29.2604, 39.9660

Triad

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



18.2936, 29.2604, 23.4225



30.5138, 29.2604, 75.1030



36.9079, 29.2604, 14.3522

Complementary

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



18.2936, 29.2604, 23.4225



18.4268, 10.6892, 10.3260

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.



40.3797, 29.2604, 24.9309



18.2936, 29.2604, 23.4225



36.3510, 29.2604, 61.8242

Square

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



18.2936, 29.2604, 23.4225



24.6836, 29.2604, 74.2456



40.1626, 29.2604, 42.1126



31.1923, 29.2604, 9.7637

Rectangle

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



18.2936, 29.2604, 23.4225



19.3669, 29.2604, 53.2735



40.1626, 29.2604, 42.1126



38.4100, 29.2604, 17.1250

Sweetspot

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



18.2944, 29.2616, 23.4232



51.5269, 62.1001, 63.7938



18.2660, 29.6052, 7.2348



11.2207, 13.7428, 13.9959



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.2944, 29.2616, 23.4232



30.7158, 51.9397, 37.1481



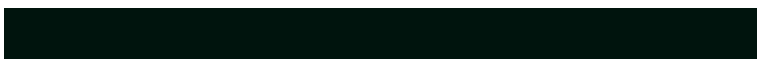
18.8512, 25.0824, 39.9256



7.6326, 8.4861, 9.0517



12.6552, 21.9808, 14.4828



0.3309, 0.5440, 0.4734

Inverse Universe

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



18.4268, 10.6892, 10.3260



31.0349, 16.3821, 12.3992



17.8764, 11.6491, 3.7895



7.6371, 7.5847, 8.4064



12.8272, 6.5396, 3.9018



0.3364, 0.1688, 0.2230

Previews

White Background



This preview shows how the XYZ color 18.2936, 29.2604, 23.4225 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 18.2936, 29.2604, 23.4225 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 18.2936, 29.2604, 23.4225

Background



This preview shows how black text looks on a background with the XYZ color 18.2936, 29.2604, 23.4225.



This preview shows how white text looks on a background with the XYZ color 18.2936, 29.2604,

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

18.2936, 29.2604, 23.4225

Protanopia

26.9698, 28.8179, 19.7637

Deuteranopia

29.4237, 28.8502, 24.7867



Tritanopia

22.4011, 29.3491, 43.5140

Trichromacy



Original Color

18.2936, 29.2604, 23.4225



Protanomaly

21.8046, 27.7798, 21.0424



Deuteranomaly

22.9055, 27.5560, 24.1903



Tritanomaly

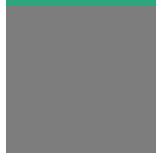
20.6165, 29.1344, 35.1087

Monochromacy



Original Color

18.2936, 29.2604, 23.4225



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.8400, 22.6982, 22.5097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2936, 29.2604, 23.4225 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(45, 166, 123)` looks like.

```
.text, #text, p{  
    color:rgb(45, 166, 123)  
}
```

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(45, 166, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 166, 123) }
```

Border

The CSS property to change the border of an element to XYZ 18.2936, 29.2604, 23.4225 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(45, 166, 123) }
```


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

```
.border{ border-color:rgb(45, 166, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 166, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 166, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 166, 123);  
box-shadow:4px 4px 4px 4px rgb(45, 166,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2936, 29.2604, 23.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 166, 123) }
```

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

```
.background{ background-color: rgb(45, 166,  
123) }
```

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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