

Converting Colors

XYZ(18.6318, 30.2352, 14.5540)

Have a look what the booklet for
XYZ(18.6318, 30.2352, 14.5540)
contains.

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Color

**XYZ(18.5957, 30.1599,
14.5142)**

Conversions

Conversions Part 1

Format	Color
Hex	49A85A
RGB	73, 168, 90
RGB Percent	29%, 66%, 35%
CMY	0.7137, 0.3412, 0.6471
CMYK	0.57, 0.00, 0.46, 0.34
HSL	131°, 39%, 47%
HSV	131°, 57%, 66%
XYZ	18.5957, 30.1599, 14.5142
YIQ	130.7030, -31.5820, -44.3980

Conversions

Conversions Part 2

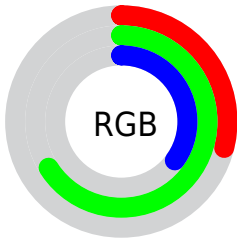
Format	Color
RYB	73, 154, 168
Decimal	4827226
CIELab	61.79, -45.05, 31.96
CIELCh	62, 55.230, 144.646
Yxy	30.1599, 0.2939, 0.4767
Android (android.graphics.Color)	4283017306 (0xFF49A85A)
YUV	130.7030, -20.0666, -50.6055
Hunter-Lab	54.9180, -35.6650, 22.7730

Details

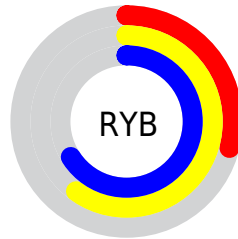
The XYZ color **18.5957, 30.1599, 14.5142** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **24.1177, 15.3247, 30.9656**, and the grayscale version is **21.5453, 22.6674, 24.6848**.

A 20% lighter version of the original color is **40.5166, 59.9015, 34.6260**, and **6.5487, 12.4286, 4.2443** is the 20% darker color. If you saturate the color by 10%, you get **16.9571, 29.3777, 11.6523**, and if you desaturate by 10%, it is **20.6886, 31.1655, 17.9675**.

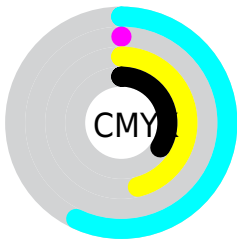
Distribution



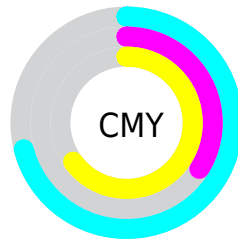
- Red (29%)
- Green (66%)
- Blue (35%)



- Red (29%)
- Yellow (60%)
- Blue (66%)



- Cyan (57%)
- Magenta (0%)
- Yellow (46%)
- Black (34%)





- Cyan (71%)
- Magenta (34%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5957, 30.1599, 14.5142 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 18.5957, 30.1599, 14.5142 by changing the saturation by 10% instead.


 18.5957, 30.1599,
14.5142


 18.5957, 30.1599,
14.5142

237.1888,
302.6491, 231.9452


 11.4808, 19.9600,
8.3363


 40.5720, 59.9150,
34.7288


 6.4609, 12.3660,
4.2201


 56.1640, 80.2389,
49.6027


 3.1706, 6.9934,
1.7468


 75.3125, 104.7063,
68.2123

 1.2446, 3.4580,
0.3925

 98.3828, 133.7016,
90.9761

 0.1412, 1.3753,
0.0000

 125.7402,
167.6091, 118.3128

 0.0000, 0.1984,
0.0000

157.7501,

 0.0000, 0.0000,

206.8132, 150.6409

0.0000

194.7779,
251.6984, 188.3788

■ 18.5957, 30.1599,
14.5142

■ 18.5957, 30.1599,
14.5142

■ 16.9571, 29.3777,
11.6523

■ 20.6886, 31.1655,
17.9675

■ 15.7361, 28.7980,
9.3465

■ 23.2644, 32.4058,
22.0407

■ 14.8939, 28.4025,
7.5612

■ 26.3519, 33.8962,
26.7629

■ 14.3766, 28.1642,
6.2552

■ 29.9769, 35.6492,
32.1607

■ 14.2384, 28.1005,
5.9062

■ 34.1637, 37.6769,
38.2593

■ 38.9348, 39.9904,
45.0826

■ 44.3116, 42.6003,
52.6533

■ 50.3146, 45.5166,
60.9931

■ 56.9629, 48.7487,
70.1230

Harmonies

Analogous

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



23.1556, 30.1599, 8.0454



18.5957, 30.1599, 14.5142



16.7493, 30.1599, 29.1971

Triad

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



18.5957, 30.1599, 14.5142



27.3645, 30.1599, 92.0523



43.5644, 30.1599, 18.6607

Complementary

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



18.5957, 30.1599, 14.5142



24.1177, 15.3247, 30.9656

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.



45.2086, 30.1599, 36.7718



18.5957, 30.1599, 14.5142



34.9880, 30.1599, 85.2329

Square

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



18.5957, 30.1599, 14.5142



21.2261, 30.1599, 78.2816



41.8405, 30.1599, 62.3499



37.6684, 30.1599, 9.6205

Rectangle

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



18.5957, 30.1599, 14.5142



17.0293, 30.1599, 44.2012



41.8405, 30.1599, 62.3499



44.6709, 30.1599, 23.6127

Sweetspot

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



18.5965, 30.1611, 14.5149



53.8575, 64.4278, 57.5656



28.1865, 35.1793, 11.6081



11.4525, 13.9041, 12.1241



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.



18.5965, 30.1611, 14.5149



30.0997, 52.9889, 19.9174



21.2187, 31.2101, 28.3236



7.4895, 8.4289, 8.2981



10.7660, 21.2251, 4.5344



0.2773, 0.5225, 0.1911

Inverse Universe

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



24.1177, 15.3247, 30.9656



41.0874, 23.3420, 52.5657



21.0645, 14.1034, 14.8873



7.7834, 7.6432, 9.1768



15.6724, 7.6777, 18.8842



0.3959, 0.1926, 0.5364

Previews

White Background



This preview shows how the XYZ color 18.5957, 30.1599, 14.5142 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 18.5957, 30.1599, 14.5142 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 18.5957, 30.1599, 14.5142

Background



This preview shows how black text looks on a background with the XYZ color 18.5957, 30.1599, 14.5142.



This preview shows how white text looks on a background with the XYZ color 18.5957, 30.1599,

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

18.5957, 30.1599, 14.5142

Protanopia

27.2555, 29.5909, 12.4587

Deuteranopia

30.1444, 29.6555, 15.2016



Tritanopia

24.4606, 30.1545, 43.5609

Trichromacy



Original Color

18.5957, 30.1599, 14.5142



Protanomaly

22.6070, 28.8604, 13.1832



Deuteranomaly

23.9022, 28.5168, 14.8342



Tritanomaly

21.6406, 29.7721, 30.1972

Monochromacy



Original Color

18.5957, 30.1599, 14.5142



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.5561, 24.5225, 20.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5957, 30.1599, 14.5142 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(73, 168, 90)` looks like.

```
.text, #text, p{  
    color:rgb(73, 168, 90)  
}
```

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(73, 168, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 168, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.5957, 30.1599, 14.5142 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(73, 168, 90) }
```


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

```
.border{ border-color:rgb(73, 168, 90) }
```

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

Here you see how a box with a 4 pixel rgb(73, 168, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 168, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 168, 90);  
box-shadow:4px 4px 4px 4px rgb(73, 168,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5957, 30.1599, 14.5142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 168, 90) }
```

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

```
.background{ background-color: rgb(73, 168,  
90) }
```

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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