

Converting Colors

XYZ(18.2214, 30.4279, 9.6119)

Have a look what the booklet for
XYZ(18.2214, 30.4279, 9.6119)
contains.

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Color

**XYZ(18.1457, 30.3126,
9.5972)**

Conversions

Conversions Part 1

Format	Color
Hex	4DA93F
RGB	77, 169, 63
RGB Percent	30%, 66%, 25%
CMY	0.6980, 0.3372, 0.7529
CMYK	0.54, 0.00, 0.63, 0.34
HSL	112°, 46%, 45%
HSV	112°, 63%, 66%
XYZ	18.1457, 30.3126, 9.5972
YIQ	129.4080, -20.8060, -52.4700

Conversions

Conversions Part 2

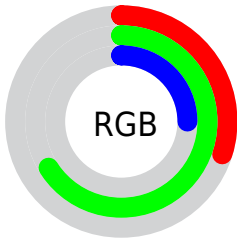
Format	Color
RYB	63, 169, 155
Decimal	5089599
CIELab	61.92, -47.97, 45.34
CIElCh	62, 66.009, 136.613
Yxy	30.3126, 0.3126, 0.5221
Android (android.graphics.Color)	4283279679 (0xFF4DA93F)
YUV	129.4080, -32.7391, -45.9618
Hunter-Lab	55.0569, -37.5193, 28.2047

Details

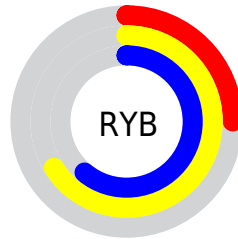
The XYZ color **18.1457, 30.3126, 9.5972** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **22.4584, 13.3894, 38.9385**, and the grayscale version is **21.1268, 22.2270, 24.2052**.

A 20% lighter version of the original color is **39.8512, 60.1566, 25.7307**, and **6.2728, 12.5017, 2.2260** is the 20% darker color. If you saturate the color by 10%, you get **16.6912, 29.6101, 7.4310**, and if you desaturate by 10%, it is **20.0136, 31.2132, 12.5407**.

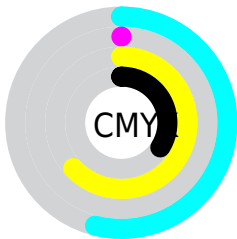
Distribution



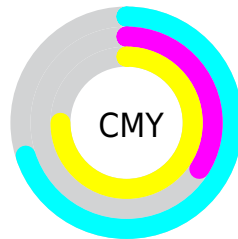
- Red (30%)
- Green (66%)
- Blue (25%)



- Red (25%)
- Yellow (66%)
- Blue (61%)



- Cyan (54%)
- Magenta (0%)
- Yellow (63%)
- Black (34%)



- Cyan (70%)
- Magenta (34%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1457, 30.3126, 9.5972 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 18.1457, 30.3126, 9.5972 by changing the saturation by 10% instead.

■ 18.1457, 30.3126,
9.5972

■ 18.1457, 30.3126,
9.5972

234.7207,
303.3588, 198.1518

■ 11.1550, 20.0760,
5.0306

■ 39.8136, 60.1562,
25.6309

■ 6.2392, 12.4503,
2.2062

■ 55.2214, 80.5319,
37.9352

■ 3.0331, 7.0511,
0.6779

■ 74.1657, 105.0562,
53.6557

■ 1.1713, 3.4941,
0.0000

■ 97.0117, 134.1134,
73.2111

■ 0.0835, 1.3948,
0.0000

■ 124.1249,
168.0878, 97.0198

■ 0.0000, 0.2129,
0.0000

155.8706,

■ 0.0000, 0.0000,

207.3639, 125.5005

0.0000

192.6140,
252.3262, 159.0716

■ 18.1457, 30.3126,
9.5972

■ 18.1457, 30.3126,
9.5972

■ 16.6912, 29.6101,
7.4310

■ 20.0136, 31.2132,
12.5407

■ 15.6159, 29.0871,
5.9669

■ 22.3212, 32.3215,
16.3237

■ 14.8838, 28.7277,
5.1182

■ 25.0951, 33.6508,
21.0041

■ 14.5265, 28.5514,
4.7453

■ 28.3592, 35.2123,
26.6345

■ 32.1358, 37.0164,
33.2632

■ 36.4458, 39.0729,
40.9352

■ 41.3088, 41.3911,
49.6928

■ 46.7436, 43.9797,
59.5761

■ 52.7679, 46.8471,
70.6229

Harmonies

Analogous

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



24.2224, 30.3126, 4.8912



18.1457, 30.3126, 9.5972



15.2442, 30.3126, 22.9745

Triad

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



18.1457, 30.3126, 9.5972



25.0546, 30.3126, 106.5563



48.3466, 30.3126, 20.9587

Complementary

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



18.1457, 30.3126, 9.5972



22.4584, 13.3894, 38.9385

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.



48.6970, 30.3126, 45.5985



18.1457, 30.3126, 9.5972



33.9458, 30.3126, 105.0154

Square

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



18.1457, 30.3126, 9.5972



18.6471, 30.3126, 82.4854



43.0029, 30.3126, 78.9701



42.1258, 30.3126, 8.7721

Rectangle

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



18.1457, 30.3126, 9.5972



15.0173, 30.3126, 38.9307



43.0029, 30.3126, 78.9701



49.1932, 30.3126, 27.7138

Sweetspot

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



18.1464, 30.3139, 9.5979



52.9694, 64.1031, 51.5079



28.9599, 32.1938, 9.3908



11.1573, 13.7864, 10.5492



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.



18.1464, 30.3139, 9.5979



29.1190, 52.6527, 12.2207



18.6305, 30.3908, 17.4207



7.5255, 8.4535, 8.0243



10.8532, 21.2923, 3.5378



0.2910, 0.5319, 0.0873

Inverse Universe

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



22.4584, 13.3894, 38.9385



37.3625, 19.7952, 69.0767



22.1791, 13.6062, 22.6245



7.7430, 7.6157, 9.4802



14.2955, 6.7530, 28.5255



0.3739, 0.1777, 0.6952

Previews

White Background



This preview shows how the XYZ color 18.1457, 30.3126, 9.5972 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 18.1457, 30.3126, 9.5972 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 18.1457, 30.3126, 9.5972

Background



This preview shows how black text looks on a background with the XYZ color 18.1457, 30.3126, 9.5972.



This preview shows how white text looks on a background with the XYZ color 18.1457, 30.3126,

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

18.1457, 30.3126, 9.5972

Protanopia

27.2119, 29.8973, 8.2074

Deuteranopia

30.1906, 29.5720, 10.0780



Tritanopia

24.7231, 30.0466, 43.0246

Trichromacy



Original Color

18.1457, 30.3126, 9.5972



Protanomaly

22.5094, 29.1610, 8.5799



Deuteranomaly

23.6116, 28.4799, 9.7215



Tritanomaly

21.3996, 29.7308, 26.4405

Monochromacy



Original Color

18.1457, 30.3126, 9.5972



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.9535, 24.2814, 17.0524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1457, 30.3126, 9.5972 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(77, 169, 63)` looks like.

```
.text, #text, p{  
    color:rgb(77, 169, 63)  
}
```

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(77, 169, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 169, 63) }
```

Border

The CSS property to change the border of an element to XYZ 18.1457, 30.3126, 9.5972 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(77, 169, 63) }
```


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

```
.border{ border-color:rgb(77, 169, 63) }
```

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

Here you see how a box with a 4 pixel rgb(77, 169, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 169, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 169, 63);  
box-shadow:4px 4px 4px 4px rgb(77, 169,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1457, 30.3126, 9.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 169, 63) }
```

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

```
.background{ background-color: rgb(77, 169,  
63) }
```

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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