

Converting Colors

XYZ(19.1979, 29.2289, 12.0366)

Have a look what the booklet for
XYZ(19.1979, 29.2289, 12.0366)
contains.

XYZ(19.1246, 29.1386, 12.0135)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.1246, 29.1386,
12.0135)**

Conversions

Conversions Part 1

Format	Color
Hex	5EA34F
RGB	94, 163, 79
RGB Percent	37%, 64%, 31%
CMY	0.6314, 0.3608, 0.6902
CMYK	0.42, 0.00, 0.52, 0.36
HSL	109°, 35%, 47%
HSV	109°, 52%, 64%
XYZ	19.1246, 29.1386, 12.0135
YIQ	132.7930, -14.1600, -40.7520

Conversions

Conversions Part 2

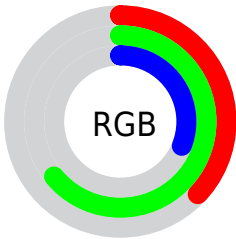
Format	Color
R_{YB}	79, 163, 148
Decimal	6202191
CIE _{Lab}	60.90, -38.49, 36.67
CIE _{LCh}	61, 53.160, 136.390
Yxy	29.1386, 0.3173, 0.4834
Android (android.graphics.Color)	4284392271 (0xFF5EA34F)
YUV	132.7930, -26.5199, -34.0215
Hunter-Lab	53.9802, -31.2247, 24.5909

Details

The XYZ color **19.1246, 29.1386, 12.0135** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **21.6210, 14.5332, 36.3175**, and the grayscale version is **22.3168, 23.4790, 25.5686**.

A 20% lighter version of the original color is **41.3134, 58.0504, 30.1465**, and **6.7555, 11.8940, 3.1680** is the 20% darker color. If you saturate the color by 10%, you get **17.3468, 28.2833, 9.2041**, and if you desaturate by 10%, it is **21.2876, 30.1774, 15.6016**.

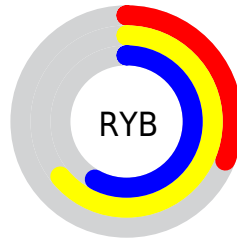
Distribution



Red (37%)

Green (64%)

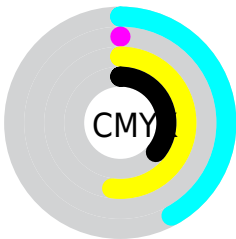
Blue (31%)



Red (31%)

Yellow (64%)

Blue (58%)

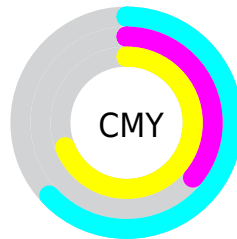


Cyan (42%)

Magenta (0%)

Yellow (52%)

Black (36%)



Cyan (63%)

Magenta (36%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1246, 29.1386, 12.0135 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 19.1246, 29.1386, 12.0135 by changing the saturation by 10% instead.

■ 19.1246, 29.1386,
12.0135

■ 19.1246, 29.1386,
12.0135

240.0607,
297.8684, 215.4757

■ 11.8649, 19.1857,
6.6302

■ 41.4598, 58.2972,
30.1845

■ 6.7233, 11.8045,
3.1570

■ 57.2660, 78.2717,
43.8092

■ 3.3344, 6.6107,
1.1754

■ 76.6517, 102.3556,
61.0182

■ 1.3330, 3.2199,
0.0000

■ 99.9823, 130.9331,
82.2300

■ 0.2077, 1.2476,
0.0000

■ 127.6231,
164.3888, 107.8631

■ 0.0000, 0.1001,
0.0000

159.9396,

■ 0.0000, 0.0000,

203.1069, 138.3361

0.0000

197.2970,
247.4720, 174.0674

■ 19.1246, 29.1386,
12.0135

■ 19.1246, 29.1386,
12.0135

■ 17.3468, 28.2833,
9.2041

■ 21.2876, 30.1774,
15.6016

■ 15.9288, 27.5971,
7.1137

■ 23.8548, 31.4057,
20.0183

■ 14.8457, 27.0694,
5.6776

■ 26.8464, 32.8339,
25.3114

■ 14.0680, 26.6867,
4.8180

■ 30.2808, 34.4704,
31.5248

■ 13.6074, 26.4583,
4.3898

■ 34.1751, 36.3232,
38.6993

■ 38.5456, 38.3999,
46.8732

■ 43.4078, 40.7076,
56.0829

■ 48.7764, 43.2533,
66.3628

■ 54.6656, 46.0434,
77.7459

Harmonies

Analogous

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



24.1032, 29.1386, 7.3930



19.1246, 29.1386, 12.0135



16.6586, 29.1386, 23.5676

Triad

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



19.1246, 29.1386, 12.0135



24.6767, 29.1386, 85.1459



42.5462, 29.1386, 22.1315

Complementary

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



19.1246, 29.1386, 12.0135



21.6210, 14.5332, 36.3175

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.



42.7693, 29.1386, 41.5808



19.1246, 29.1386, 12.0135



31.6278, 29.1386, 84.2242

Square

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



19.1246, 29.1386, 12.0135



19.4838, 29.1386, 68.1541



38.5066, 29.1386, 65.9984



37.9402, 29.1386, 11.3415

Rectangle

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



19.1246, 29.1386, 12.0135



16.4518, 29.1386, 36.1661



38.5066, 29.1386, 65.9984



43.1598, 29.1386, 27.6668

Sweetspot

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



19.1253, 29.1398, 12.0141



51.8300, 60.5889, 52.0911



27.0441, 29.4070, 11.6483



11.3627, 13.4755, 11.1961



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.



19.1253, 29.1398, 12.0141



30.6122, 50.4322, 15.7934



18.9033, 28.8903, 18.1077



7.0981, 7.9530, 7.5411



10.6037, 20.5769, 3.4129



0.2538, 0.4483, 0.0732

Inverse Universe

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



21.6210, 14.5332, 36.3175



35.5330, 21.2553, 64.2860



22.3737, 15.1683, 25.1916



7.2397, 7.1379, 8.8993



12.8004, 6.0053, 27.4143



0.2995, 0.1419, 0.5775

Previews

White Background



This preview shows how the XYZ color 19.1246, 29.1386, 12.0135 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 19.1246, 29.1386, 12.0135 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 19.1246, 29.1386, 12.0135

Background



This preview shows how black text looks on a background with the XYZ color 19.1246, 29.1386, 12.0135.



This preview shows how white text looks on a background with the XYZ color 19.1246, 29.1386,

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

19.1246, 29.1386, 12.0135

Protanopia

26.3818, 28.7202, 10.4564

Deuteranopia

29.2324, 28.5861, 12.5713



Tritanopia

24.8689, 29.1794, 40.3978

Trichromacy



Original Color

19.1246, 29.1386, 12.0135

Protanomaly

22.8148, 28.2828, 10.9133

Deuteranomaly

24.1839, 28.0074, 12.3150

Tritanomaly

22.0690, 28.7782, 26.9459

Monochromacy



Original Color

19.1246, 29.1386, 12.0135

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.5616, 25.0607, 19.3763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1246, 29.1386, 12.0135 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(94, 163, 79)` looks like.

```
.text, #text, p{  
    color:rgb(94, 163, 79)  
}
```

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(94, 163, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 163, 79) }
```

Border

The CSS property to change the border of an element to XYZ 19.1246, 29.1386, 12.0135 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(94, 163, 79) }
```


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

```
.border{ border-color:rgb(94, 163, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 163, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 163, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 163, 79);  
box-shadow:4px 4px 4px 4px rgb(94, 163,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1246, 29.1386, 12.0135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 163, 79) }
```

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

```
.background{ background-color: rgb(94, 163,  
79) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor