

Converting Colors

XYZ(29.6270, 45.0615, 31.1810)

Have a look what the booklet for
XYZ(29.6270, 45.0615, 31.1810)
contains.

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Color

**XYZ(29.6270, 45.0615,
31.1810)**

Conversions

Conversions Part 1

Format	Color
Hex	5EC78A
RGB	94, 199, 138
RGB Percent	37%, 78%, 54%
CMY	0.6314, 0.2196, 0.4588
CMYK	0.53, 0.00, 0.31, 0.22
HSL	145°, 48%, 57%
HSV	145°, 53%, 78%
XYZ	29.6270, 45.0615, 31.1810
YIQ	160.6510, -42.9990, -41.2310

Conversions

Conversions Part 2

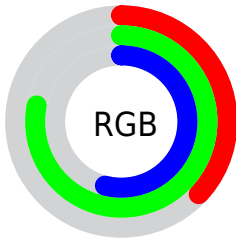
Format	Color
RYB	94, 168, 199
Decimal	6211466
CIELab	72.93, -44.31, 21.50
CIELCh	73, 49.256, 154.114
Yxy	45.0615, 0.2798, 0.4256
Android (android.graphics.Color)	4284401546 (0xFF5EC78A)
YUV	160.6510, -11.1669, -58.4529
Hunter-Lab	67.1279, -38.6925, 19.4492

Details

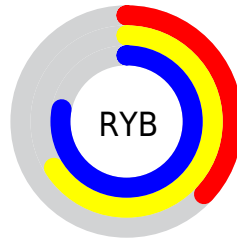
The XYZ color **29.6270, 45.0615, 31.1810** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **33.4738, 22.5152, 33.5938**, and the grayscale version is **33.7798, 35.5390, 38.7019**.

A 20% lighter version of the original color is **58.0369, 81.9051, 62.6196**, and **12.2701, 20.9271, 12.6252** is the 20% darker color. If you saturate the color by 10%, you get **27.0506, 43.8261, 26.9216**, and if you desaturate by 10%, it is **32.8210, 46.6073, 35.9364**.

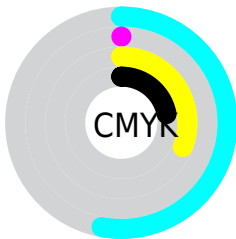
Distribution



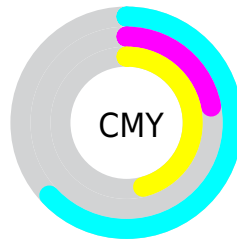
- Red (37%)
- Green (78%)
- Blue (54%)



- Red (37%)
- Yellow (66%)
- Blue (78%)



- Cyan (53%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)



- Cyan (63%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6270, 45.0615, 31.1810 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 29.6270, 45.0615, 31.1810 by changing the saturation by 10% instead.

■ 29.6270, 45.0615,
31.1810

■ 29.6270, 45.0615,
31.1810

292.1031,
367.0226, 321.7483

■ 19.7023, 31.5059,
20.4771

■ 58.4625, 82.8127,
62.6078

■ 12.2858, 20.9844,
12.5548

■ 78.1040, 107.7770,
84.1679

■ 7.0122, 13.1126,
6.9956

■ 101.7151,
137.3131, 110.1837

■ 3.5162, 7.5061,
3.3809

■ 129.6613,
171.8052, 141.0738

■ 1.4322, 3.7806,
1.2923

162.3078,
211.6379, 177.2568

■ 0.2790, 1.5516,
0.0555

200.0200,

■ 0.0000, 0.3246,

257.1954, 219.1511

0.0000

243.1633,
308.8621, 267.1755

■ 0.0000, 0.0000,
0.0000

■ 29.6270, 45.0615,
31.1810

■ 29.6270, 45.0615,
31.1810

■ 27.0506, 43.8261,
26.9216

■ 32.8210, 46.6073,
35.9364

■ 25.0440, 42.8734,
23.1387

■ 36.6684, 48.4783,
41.2005

■ 23.5581, 42.1794,
19.8156

■ 41.2068, 50.6944,
46.9892

■ 22.5328, 41.7135,
16.9334

■ 46.4694, 53.2728,
53.3169

■ 22.0007, 41.4791,
15.1095

■ 52.4874, 56.2292,
60.1974

■ 59.2901, 59.5783,
67.6438

■ 66.9053, 63.3344,
75.6690

■ 75.3593, 67.5106,
84.2852

■ 77.6994, 68.5225,
93.1780

Harmonies

Analogous

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



34.2213, 45.0615, 19.4057



29.6270, 45.0615, 31.1810



28.3825, 45.0615, 52.5354

Triad

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



29.6270, 45.0615, 31.1810



44.0250, 45.0615, 112.9509



58.0044, 45.0615, 27.0364

Complementary

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



29.6270, 45.0615, 31.1810



33.4738, 22.5152, 33.5938

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.



61.4978, 45.0615, 45.7496



29.6270, 45.0615, 31.1810



52.7725, 45.0615, 99.5459

Square

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



29.6270, 45.0615, 31.1810



36.0184, 45.0615, 105.0821



59.4664, 45.0615, 72.7378



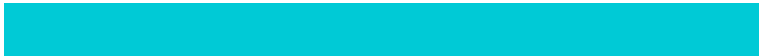
50.4495, 45.0615, 17.6346

Rectangle

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



29.6270, 45.0615, 31.1810



29.4586, 45.0615, 71.0285



59.4664, 45.0615, 72.7378



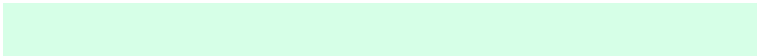
59.7353, 45.0615, 32.1708

Sweetspot

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



29.6282, 45.0633, 31.1820



78.0157, 91.6326, 89.3962



36.0109, 48.6503, 18.0827



16.2839, 19.4100, 18.6371



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.6282, 45.0633, 31.1820



46.9042, 76.5151, 46.3249



34.3626, 46.9571, 56.1131



10.6788, 11.9604, 12.2585



14.1880, 26.6876, 9.9344



0.7078, 1.2780, 0.6598

Inverse Universe

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



33.4738, 22.5152, 33.5938



54.3167, 32.9449, 50.8934



29.9928, 21.1228, 15.2633



10.8879, 10.7385, 12.3929



17.2023, 8.6305, 11.5411



0.8501, 0.4229, 0.7337

Previews

White Background



This preview shows how the XYZ color 29.6270, 45.0615, 31.1810 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 29.6270, 45.0615, 31.1810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

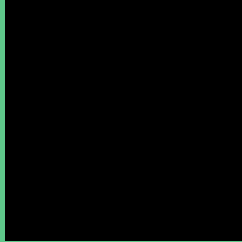
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6270, 45.0615, 31.1810

Background



This preview shows how black text looks on a background with the XYZ color 29.6270, 45.0615, 31.1810.



This preview shows how white text looks on a background with the XYZ color 29.6270, 45.0615,

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

29.6270, 45.0615, 31.1810

Protanopia

41.3687, 44.5021, 27.1783

Deuteranopia

45.3291, 44.4048, 32.5674



Tritanopia

36.2361, 44.7279, 65.1160

Trichromacy



Original Color

29.6270, 45.0615, 31.1810



Protanomaly

35.4341, 43.8517, 28.4264



Deuteranomaly

37.1322, 43.1077, 31.9547



Tritanomaly

33.2362, 44.4794, 50.5497

Monochromacy



Original Color

29.6270, 45.0615, 31.1810



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.3963, 38.2782, 35.8707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6270, 45.0615, 31.1810 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, 199, 138)` looks like.

```
.text, #text, p{  
    color:rgb(94, 199, 138)  
}
```

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, 199, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 199, 138) }
```

Border

The CSS property to change the border of an element to XYZ 29.6270, 45.0615, 31.1810 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, 199, 138) }
```


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

```
.border{ border-color:rgb(94, 199, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 199, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 199, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 199, 138);  
box-shadow:4px 4px 4px 4px rgb(94, 199,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6270, 45.0615, 31.1810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 199, 138) }
```

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

```
.background{ background-color: rgb(94, 199,  
138) }
```

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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