

Converting Colors

XYZ(29.9385, 45.8464, 18.8338)

Have a look what the booklet for
XYZ(29.9385, 45.8464, 18.8338)
contains.

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Color

**XYZ(29.9291, 45.8352,
18.8249)**

Conversions

Conversions Part 1

Format	Color
Hex	73C862
RGB	115, 200, 98
RGB Percent	45%, 78%, 38%
CMY	0.5490, 0.2157, 0.6157
CMYK	0.43, 0.00, 0.51, 0.22
HSL	110°, 48%, 58%
HSV	110°, 51%, 78%
XYZ	29.9291, 45.8352, 18.8249
YIQ	162.9570, -17.9180, -49.7420

Conversions

Conversions Part 2

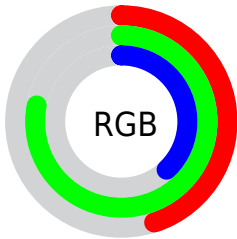
Format	Color
RYB	98, 200, 183
Decimal	7587938
CIELab	73.44, -45.35, 42.79
CIELCh	73, 62.346, 136.664
Yxy	45.8352, 0.3164, 0.4846
Android (android.graphics.Color)	4285778018 (0xFF73C862)
YUV	162.9570, -32.0238, -42.0583
Hunter-Lab	67.7017, -39.5679, 30.9052

Details

The XYZ color **29.9291, 45.8352, 18.8249** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **34.3236, 22.9742, 57.2714**, and the grayscale version is **34.9459, 36.7658, 40.0380**.

A 20% lighter version of the original color is **58.1405, 82.4123, 42.1210**, and **12.3834, 21.3556, 6.1587** is the 20% darker color. If you saturate the color by 10%, you get **27.1034, 44.4757, 14.3643**, and if you desaturate by 10%, it is **33.3893, 47.4973, 24.5486**.

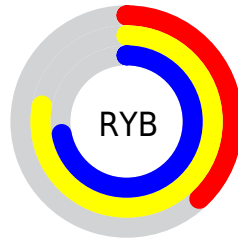
Distribution



Red (45%)

Green (78%)

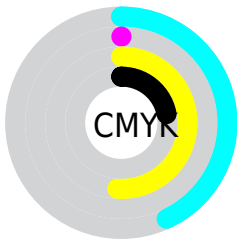
Blue (38%)



Red (38%)

Yellow (78%)

Blue (72%)

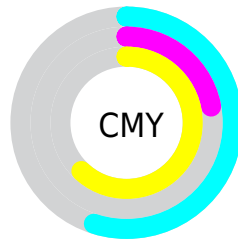


Cyan (43%)

Magenta (0%)

Yellow (51%)

Black (22%)



Cyan (55%)

Magenta (22%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9291, 45.8352, 18.8249 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 29.9291, 45.8352, 18.8249 by changing the saturation by 10% instead.

■ 29.9291, 45.8352,
18.8249

■ 29.9291, 45.8352,
18.8249

293.4896,
370.1457, 257.8708

■ 19.9326, 32.1158,
11.3683

■ 58.9374, 83.9723,
42.2708

■ 12.4540, 21.4500,
6.1978

■ 78.6800, 109.1588,
59.0971

■ 7.1281, 13.4533,
2.8950

■ 102.4019,
138.9364, 79.8838

■ 3.5894, 7.7414,
1.0413

■ 130.4685,
173.6896, 105.0493

■ 1.4726, 3.9299,
0.0000

163.2453,
213.8027, 135.0122

■ 0.3070, 1.6345,
0.0000


201.0974,


■ 0.0000, 0.3807,


259.6602, 170.1911


0.0000


244.3904,
311.6464, 211.0044


 0.0000, 0.0000,
0.0000


 29.9291, 45.8352,
18.8249


 29.9291, 45.8352,
18.8249


 27.1034, 44.4757,
14.3643


 33.3893, 47.4973,
24.5486


 24.8696, 43.3948,
11.0685


 37.5164, 49.4727,
31.6179


 23.1849, 42.5741,
8.8295

 42.3447, 51.7788,
40.1120

 21.9990, 41.9905,
7.5178

 47.9051, 54.4299,
50.1029

 21.2930, 41.6392,
6.9149

 54.2266, 57.4395,
61.6578

■ 61.3366, 60.8205,
74.8399

■ 69.2612, 64.5848,
89.7088

■ 77.5373, 68.5491,
103.7524

■ 79.9452, 69.7904,
103.8651

Harmonies

Analogous

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



37.7807, 45.8352, 11.4774



29.9291, 45.8352, 18.8249



26.0652, 45.8352, 37.2056

Triad

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



29.9291, 45.8352, 18.8249



38.8692, 45.8352, 135.0176



67.1128, 45.8352, 34.4833

Complementary

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



29.9291, 45.8352, 18.8249



34.3236, 22.9742, 57.2714

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.



67.5375, 45.8352, 65.2121



29.9291, 45.8352, 18.8249



49.9114, 45.8352, 133.2589

Square

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



29.9291, 45.8352, 18.8249



30.6099, 45.8352, 108.1511



60.8175, 45.8352, 104.0418



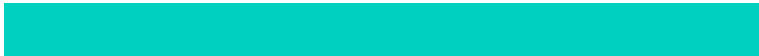
59.7399, 45.8352, 17.5569

Rectangle

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



29.9291, 45.8352, 18.8249



25.7631, 45.8352, 57.2659



60.8175, 45.8352, 104.0418



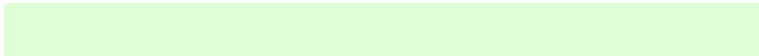
68.1113, 45.8352, 43.2067

Sweetspot

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



29.9302, 45.8371, 18.8259



78.7216, 92.2244, 79.1273



42.9595, 47.0303, 18.3695



16.4108, 19.5306, 16.1485



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.



29.9302, 45.8371, 18.8259



46.5455, 76.8175, 24.2915



29.8576, 45.5732, 29.0538



10.6595, 11.9714, 11.3117



13.5899, 26.5012, 4.3990



0.6963, 1.2821, 0.2108

Inverse Universe

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



34.3236, 22.9742, 57.2714



54.8928, 32.9001, 98.0649



35.0717, 23.7691, 38.8175



10.9029, 10.7237, 13.4127



16.7828, 7.8861, 35.3820



0.8420, 0.3978, 1.6776

Previews

White Background



This preview shows how the XYZ color 29.9291, 45.8352, 18.8249 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 29.9291, 45.8352, 18.8249 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 29.9291, 45.8352, 18.8249

Background



This preview shows how black text looks on a background with the XYZ color 29.9291, 45.8352, 18.8249.



This preview shows how white text looks on a background with the XYZ color 29.9291, 45.8352,

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

29.9291, 45.8352, 18.8249

Protanopia

41.4983, 45.4036, 16.4741

Deuteranopia

46.0262, 45.0512, 19.6345



Tritanopia

38.8740, 45.4770, 63.8558

Trichromacy



Original Color

29.9291, 45.8352, 18.8249

Protanomaly

35.9392, 44.6736, 17.3184

Deuteranomaly

38.1823, 44.2390, 19.0969

Tritanomaly

34.5433, 45.0051, 42.4635

Monochromacy



Original Color

29.9291, 45.8352, 18.8249

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.0396, 39.0257, 30.2702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9291, 45.8352, 18.8249 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(115, 200, 98)` looks like.

```
.text, #text, p{  
    color:rgb(115, 200, 98)  
}
```

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(115, 200, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 200, 98) }
```

Border

The CSS property to change the border of an element to XYZ 29.9291, 45.8352, 18.8249 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(115, 200, 98) }
```


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

```
.border{ border-color:rgb(115, 200, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 200, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 200, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 200, 98);  
box-shadow:4px 4px 4px 4px rgb(115, 200,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9291, 45.8352, 18.8249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 200, 98) }
```

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

```
.background{ background-color: rgb(115,  
200, 98) }
```

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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