

Converting Colors

XYZ(33.2242, 45.9835, 29.4747)

Have a look what the booklet for
XYZ(33.2242, 45.9835, 29.4747)
contains.

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Color

**XYZ(33.1795, 45.9191,
29.3048)**

Conversions

Conversions Part 1

Format	Color
Hex	82C485
RGB	130, 196, 133
RGB Percent	51%, 77%, 52%
CMY	0.4902, 0.2314, 0.4784
CMYK	0.34, 0.00, 0.32, 0.23
HSL	123°, 36%, 64%
HSV	123°, 34%, 77%
XYZ	33.1795, 45.9191, 29.3048
YIQ	169.0840, -19.1130, -33.5850

Conversions

Conversions Part 2

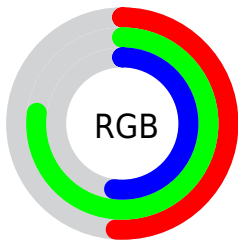
Format	Color
RYB	130, 193, 196
Decimal	8569989
CIELab	73.49, -33.69, 25.17
CIELCh	73, 42.052, 143.235
Yxy	45.9191, 0.3061, 0.4236
Android (android.graphics.Color)	4286760069 (0xFF82C485)
YUV	169.0840, -17.7894, -34.2767
Hunter-Lab	67.7636, -31.1864, 21.7942

Details

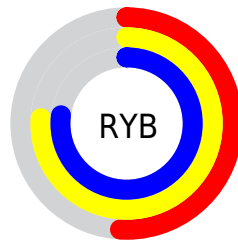
The XYZ color **33.1795, 45.9191, 29.3048** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.3748, 31.5523, 54.4162**, and the grayscale version is **37.8467, 39.8176, 43.3614**.

A 20% lighter version of the original color is **64.1025, 84.1527, 59.8782**, and **14.2949, 21.5483, 11.5894** is the 20% darker color. If you saturate the color by 10%, you get **29.2752, 44.0440, 22.9654**, and if you desaturate by 10%, it is **37.8892, 48.1854, 36.8856**.

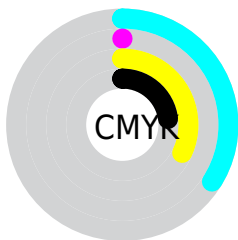
Distribution



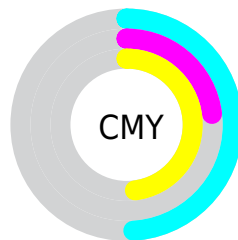
- Red (51%)
- Green (77%)
- Blue (52%)



- Red (51%)
- Yellow (76%)
- Blue (77%)



- Cyan (34%)
- Magenta (0%)
- Yellow (32%)
- Black (23%)



- Cyan (49%)
- Magenta (23%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1795, 45.9191, 29.3048 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 33.1795, 45.9191, 29.3048 by changing the saturation by 10% instead.

■ 33.1795, 45.9191,
29.3048

■ 33.1795, 45.9191,
29.3048

308.1085,
370.4833, 312.7562

■ 22.4239, 32.1820,
19.0640

■ 64.0085, 84.0979,
59.6090

■ 14.2870, 21.5005,
11.5392

■ 84.8125, 109.3084,
80.5093

■ 8.4036, 13.4904,
6.3120

■ 109.6968,
139.1121, 105.8000

■ 4.4082, 7.7671,
2.9639

139.0266,
173.8935, 135.8995

■ 1.9356, 3.9463,
1.0762

173.1673,
214.0369, 171.2263

■ 0.5974, 1.6436,
0.0000

212.4843,

■ 0.0000, 0.3867,

259.9268, 212.1990

0.0000

257.3429,
311.9474, 259.2361

■ 0.0000, 0.0000,
0.0000

■ 33.1795, 45.9191,
29.3048

■ 33.1795, 45.9191,
29.3048

■ 29.2752, 44.0440,
22.9654

■ 37.8892, 48.1854,
36.8856

■ 26.1277, 42.5325,
17.7985

■ 43.4419, 50.8572,
45.7659

■ 23.6891, 41.3628,
13.7331

■ 49.8775, 53.9549,
56.0036

■ 21.9044, 40.5083,
10.6894

■ 57.2320, 57.4961,
67.6522

■ 20.7102, 39.9382,
8.5765

■ 65.5396, 61.4973,
80.7626

■ 20.0311, 39.6159,
7.2881

■ 74.8326, 65.9740,
95.3828

■ 19.7896, 39.5011,
6.8373

■ 79.0308, 67.9616,
103.5603

Harmonies

Analogous

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



38.2523, 45.9191, 21.0564



33.1795, 45.9191, 29.3048



30.9494, 45.9191, 45.3357

Triad

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



33.1795, 45.9191, 29.3048



41.9849, 45.9191, 102.5705



58.1186, 45.9191, 35.5427

Complementary

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



33.1795, 45.9191, 29.3048



40.3748, 31.5523, 54.4162

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.



59.4091, 45.9191, 54.9696



33.1795, 45.9191, 29.3048



49.5215, 45.9191, 97.7542

Square

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



33.1795, 45.9191, 29.3048



35.6467, 45.9191, 90.4168



56.1072, 45.9191, 78.6738



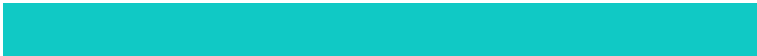
52.7576, 45.9191, 23.8794

Rectangle

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



33.1795, 45.9191, 29.3048



31.1724, 45.9191, 59.9535



56.1072, 45.9191, 78.6738



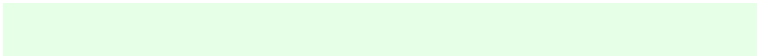
59.0661, 45.9191, 41.2106

Sweetspot

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



33.1807, 45.9210, 29.3058



82.6086, 94.0107, 89.1412



45.9680, 52.5367, 28.8374



17.3364, 19.9560, 18.5301



0.0000, 0.0000, 0.0000



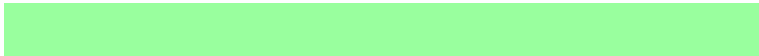
20.3446, 21.4041, 23.3091

Same Dimension

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



33.1807, 45.9210, 29.3058



55.0372, 80.7484, 44.8695



35.7569, 46.9515, 42.8721



9.9626, 11.2661, 10.8063



12.7238, 25.3836, 4.4386



0.5563, 1.0994, 0.2262

Inverse Universe

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



40.3748, 31.5523, 54.4162



69.9435, 50.9674, 96.8924



37.1644, 30.2681, 37.5105



10.4769, 10.2394, 12.6018



20.4059, 9.8521, 31.1134



0.8879, 0.4282, 1.3770

Previews

White Background



This preview shows how the XYZ color 33.1795, 45.9191, 29.3048 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 33.1795, 45.9191, 29.3048 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 33.1795, 45.9191, 29.3048

Background



This preview shows how black text looks on a background with the XYZ color 33.1795, 45.9191, 29.3048.



This preview shows how white text looks on a background with the XYZ color 33.1795, 45.9191,

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

33.1795, 45.9191, 29.3048

Protanopia

42.3353, 45.6182, 26.3125

Deuteranopia

46.2039, 45.1889, 30.3319



Tritanopia

39.7587, 45.6446, 62.5919

Trichromacy



Original Color

33.1795, 45.9191, 29.3048

Protanomaly

38.3159, 45.3607, 27.5049

Deuteranomaly

40.2592, 44.7704, 29.8122

Tritanomaly

36.8305, 45.4045, 48.4177

Monochromacy



Original Color

33.1795, 45.9191, 29.3048

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

35.6384, 41.6091, 37.6055

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1795, 45.9191, 29.3048 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(130, 196, 133)` looks like.

```
.text, #text, p{  
    color:rgb(130, 196, 133)  
}
```

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(130, 196, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 196, 133) }
```

Border

The CSS property to change the border of an element to XYZ 33.1795, 45.9191, 29.3048 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(130, 196, 133) }
```


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

```
.border{ border-color:rgb(130, 196, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 196, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 196, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 196, 133);  
box-shadow:4px 4px 4px 4px rgb(130, 196,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1795, 45.9191, 29.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 196, 133) }
```

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

```
.background{ background-color: rgb(130,  
196, 133) }
```

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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