

Converting Colors

XYZ(32.8722, 17.7347, 30.3963)

Have a look what the booklet for
XYZ(32.8722, 17.7347, 30.3963)
contains.

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Color

**XYZ(33.0604, 17.8576,
30.5586)**

Conversions

Conversions Part 1

Format	Color
Hex	D22E96
RGB	210, 46, 150
RGB Percent	82%, 18%, 59%
CMY	0.1765, 0.8196, 0.4118
CMYK	0.00, 0.78, 0.29, 0.18
HSL	322°, 65%, 50%
HSV	322°, 78%, 82%
XYZ	33.0604, 17.8576, 30.5586
YIQ	106.8920, 64.3600, 67.1120

Conversions

Conversions Part 2

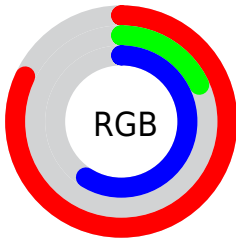
Format	Color
R _Y B	210, 46, 150
Decimal	13774486
CIE Lab	49.32, 70.07, -18.32
CIE LCh	49, 72.427, 345.349
Yxy	17.8576, 0.4058, 0.2192
Android (android.graphics.Color)	4291964566 (0xFFD22E96)
YUV	106.8920, 21.2522, 90.4257
Hunter-Lab	42.2583, 65.6961, -13.2941

Details

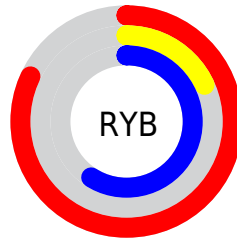
The XYZ color **33.0604, 17.8576, 30.5586** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **26.7760, 47.7153, 21.4373**, and the grayscale version is **13.8772, 14.5999, 15.8992**.

A 20% lighter version of the original color is **57.6077, 36.5569, 61.1467**, and **15.0146, 7.4802, 12.4568** is the 20% darker color. If you saturate the color by 10%, you get **31.8327, 16.3600, 27.1962**, and if you desaturate by 10%, it is **34.7306, 20.1750, 34.2690**.

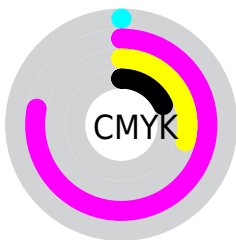
Distribution



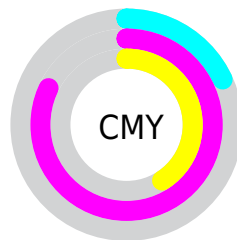
- Red (82%)
- Green (18%)
- Blue (59%)



- Red (82%)
- Yellow (18%)
- Blue (59%)



- Cyan (0%)
- Magenta (78%)
- Yellow (29%)
- Black (18%)



- Cyan (18%)
- Magenta (82%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0604, 17.8576, 30.5586 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 33.0604, 17.8576, 30.5586 by changing the saturation by 10% instead.

■ 33.0604, 17.8576,
30.5586

■ 33.0604, 17.8576,
30.5586

307.5820,
240.0672, 318.7876

■ 22.3322, 10.8478,
20.0073

■ 63.8239, 39.7945,
61.6159

■ 14.2192, 5.9646,
12.2162

■ 84.5898, 55.4904,
82.9589

■ 8.3560, 2.8236,
6.7668

■ 109.4324, 74.8505,
108.7364

■ 4.3773, 1.0403,
3.2405

■ 138.7169, 98.2592,
139.3667

■ 1.9177, 0.0000,
1.2187

■ 172.8088,
126.1008, 175.2684

■ 0.5871, 0.0000,
0.0000

212.0734,

■ 0.0000, 0.0000,

158.7597, 216.8601

0.0000

256.8760,
196.6204, 264.5603

■ 33.0604, 17.8576,
30.5586

■ 33.0604, 17.8576,
30.5586

■ 31.8327, 16.3600,
27.1962

■ 34.7306, 20.1750,
34.2690

■ 30.9694, 15.5277,
24.1516

■ 36.8941, 23.4129,
38.3475

■ 30.8236, 15.3998,
23.5985

■ 39.5960, 27.6604,
42.8130

■ 42.8758, 32.9951,
47.6821

■ 46.7690, 39.4873,
52.9701

■ 51.3084, 47.2010,
58.6913

■ 56.5241, 56.1958,
64.8590

■ 62.4445, 66.5271,
71.4858

■ 69.0961, 78.2471,
78.5837

Harmonies

Analogous

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



28.1001, 17.8576, 59.5157



33.0604, 17.8576, 30.5586



32.9960, 17.8576, 11.1089

Triad

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



33.0604, 17.8576, 30.5586



13.7368, 17.8576, 1.0658



9.3318, 17.8576, 60.1995

Complementary

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



33.0604, 17.8576, 30.5586



26.7760, 47.7153, 21.4373

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.



7.2164, 17.8576, 31.1591



33.0604, 17.8576, 30.5586



9.2563, 17.8576, 3.2008

Square

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



33.0604, 17.8576, 30.5586



20.5062, 17.8576, 1.0488



7.1931, 17.8576, 11.4156



13.8711, 17.8576, 82.9978

Rectangle

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



33.0604, 17.8576, 30.5586



30.0545, 17.8576, 4.8145



7.1931, 17.8576, 11.4156



8.3745, 17.8576, 50.2222

Sweetspot

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



33.0610, 17.8586, 30.5589



75.8444, 66.8121, 86.3955



18.2507, 9.5157, 61.8479



15.6992, 13.3951, 17.8088



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.



33.0610, 17.8586, 30.5589



48.4179, 24.4113, 38.8645



28.6807, 16.1065, 7.4929



12.1196, 11.9326, 13.9058



18.8517, 9.4135, 14.6570



1.0915, 0.5413, 1.0168

Inverse Universe

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



33.0610, 17.8586, 30.5589



48.4179, 24.4113, 38.8645



32.9734, 50.1943, 54.0724



12.1196, 11.9326, 13.9058



18.8517, 9.4135, 14.6570



1.0915, 0.5413, 1.0168

Previews

White Background



This preview shows how the XYZ color 33.0604, 17.8576, 30.5586 looks on a white background.

Color Contrast Check

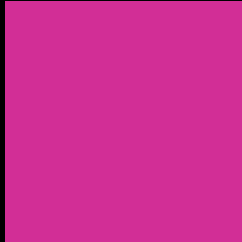
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.0604, 17.8576, 30.5586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

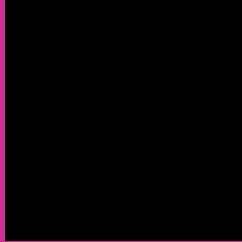
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0604, 17.8576, 30.5586

Background



This preview shows how black text looks on a background with the XYZ color 33.0604, 17.8576, 30.5586.



This preview shows how white text looks on a background with the XYZ color 33.0604, 17.8576,

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

33.0604, 17.8576, 30.5586

Protanopia

20.0667, 18.2278, 57.7190

Deuteranopia

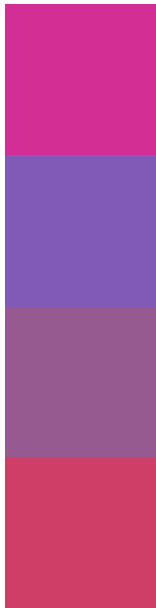
18.4097, 18.0361, 27.7103



Tritanopia

28.4251, 17.8518, 8.6042

Trichromacy



Original Color

33.0604, 17.8576, 30.5586

Protanomaly

21.0017, 15.2789, 46.0982

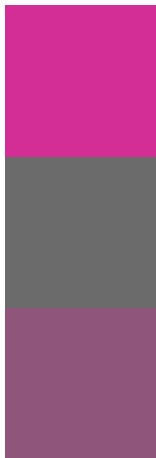
Deuteranomaly

21.4527, 15.9053, 28.3249

Tritanomaly

29.5745, 17.5264, 14.3946

Monochromacy



Original Color

33.0604, 17.8576, 30.5586

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

18.3253, 13.8564, 20.4476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0604, 17.8576, 30.5586 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(210, 46, 150)` looks like.

```
.text, #text, p{  
    color:rgb(210, 46, 150)  
}
```

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(210, 46, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 46, 150) }
```

Border

The CSS property to change the border of an element to XYZ 33.0604, 17.8576, 30.5586 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(210, 46, 150) }
```


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

```
.border{ border-color:rgb(210, 46, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 46, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 46, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 46, 150);  
box-shadow:4px 4px 4px 4px rgb(210, 46,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0604, 17.8576, 30.5586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 46, 150) }
```

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

```
.background{ background-color: rgb(210, 46,  
150) }
```

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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