

Converting Colors

XYZ(32.8821, 20.0641, 28.6251)

Have a look what the booklet for
XYZ(32.8821, 20.0641, 28.6251)
contains.

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Color

**XYZ(33.0037, 20.1676,
28.5388)**

Conversions

Conversions Part 1

Format	Color
Hex	CE4B90
RGB	206, 75, 144
RGB Percent	81%, 29%, 56%
CMY	0.1922, 0.7059, 0.4353
CMYK	0.00, 0.64, 0.30, 0.19
HSL	328°, 57%, 55%
HSV	328°, 64%, 81%
XYZ	33.0037, 20.1676, 28.5388
YIQ	122.0350, 55.9270, 49.2310

Conversions

Conversions Part 2

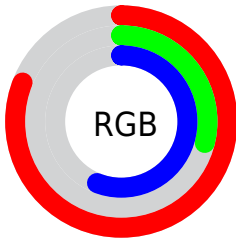
Format	Color
R_{YB}	206, 75, 144
Decimal	13519760
CIE _{Lab}	52.03, 58.22, -10.71
CIE _{LCh}	52, 59.195, 349.579
Yxy	20.1676, 0.4039, 0.2468
Android (android.graphics.Color)	4291709840 (0xFFCE4B90)
YUV	122.0350, 10.8287, 73.6373
Hunter-Lab	44.9084, 52.5922, -6.2423

Details

The XYZ color **33.0037, 20.1676, 28.5388** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **29.4895, 47.4452, 31.2732**, and the grayscale version is **18.4640, 19.4256, 21.1545**.

A 20% lighter version of the original color is **59.5493, 41.5698, 58.3113**, and **14.2440, 7.1258, 11.2143** is the 20% darker color. If you saturate the color by 10%, you get **31.1124, 17.5265, 24.3891**, and if you desaturate by 10%, it is **35.4128, 23.7409, 33.1791**.

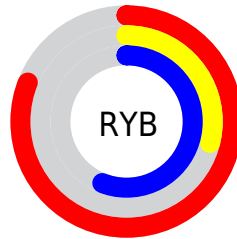
Distribution



Red (81%)

Green (29%)

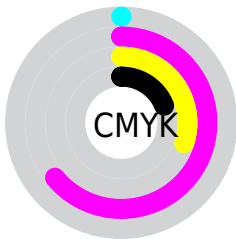
Blue (56%)



Red (81%)

Yellow (29%)

Blue (56%)

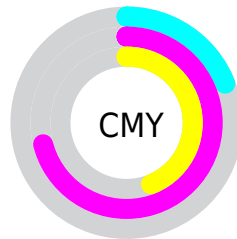


Cyan (0%)

Magenta (64%)

Yellow (30%)

Black (19%)



Cyan (19%)

Magenta (71%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0037, 20.1676, 28.5388 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 33.0037, 20.1676, 28.5388 by changing the saturation by 10% instead.


 33.0037, 20.1676,
28.5388


 33.0037, 20.1676,
28.5388


307.3311,
252.8210, 309.0252

 22.2885, 12.5169,
18.4896


 63.7359, 43.6980,
58.3769

 14.1868, 7.0968,
11.1290


 84.4837, 60.3465,
79.0030


 8.3333, 3.5227,
6.0384

 109.3064, 80.7631,
103.9918

 4.3625, 1.4103,
2.7993

 138.5694,
105.3322, 133.7618

 1.9092, 0.2243,
0.9931

 172.6380,
134.4381, 168.7316

 0.5822, 0.0000,
0.0000

211.8776,

 0.0000, 0.0000,

168.4653, 209.3197

0.0000

256.6535,
207.7981, 255.9447

■ 33.0037, 20.1676,
28.5388

■ 33.0037, 20.1676,
28.5388

■ 31.1124, 17.5265,
24.3891

■ 35.4128, 23.7409,
33.1791

■ 29.6900, 15.7228,
20.7050

■ 38.3788, 28.3229,
38.3301

■ 28.6804, 14.6471,
17.4599

■ 41.9391, 33.9854,
44.0119

■ 28.1870, 14.2152,
15.5851

■ 46.1270, 40.7929,
50.2429

■ 50.9734, 48.8048,
57.0403

■ 56.5070, 58.0764,
64.4204

■ 62.7548, 68.6595,
72.3988

■ 69.7421, 80.6028,
80.9904

■ 75.7438, 90.4539,
89.6263

Harmonies

Analogous

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



29.4349, 20.1676, 51.3419



33.0037, 20.1676, 28.5388



32.3193, 20.1676, 12.5955

Triad

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



33.0037, 20.1676, 28.5388



15.5356, 20.1676, 3.1681



12.5835, 20.1676, 58.2425

Complementary

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



33.0037, 20.1676, 28.5388



29.4895, 47.4452, 31.2732

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.



10.1792, 20.1676, 35.0915



33.0037, 20.1676, 28.5388



11.6192, 20.1676, 6.6862

Square

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



33.0037, 20.1676, 28.5388



21.3462, 20.1676, 2.8050



9.8678, 20.1676, 16.4774



17.1445, 20.1676, 73.5764

Rectangle

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



33.0037, 20.1676, 28.5388



29.5811, 20.1676, 6.8570



9.8678, 20.1676, 16.4774



11.5409, 20.1676, 50.6853

Sweetspot

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



33.0043, 20.1686, 28.5392



78.0191, 71.4980, 86.0832



23.8329, 14.7352, 59.9806



16.2268, 14.5249, 17.7548



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.



33.0043, 20.1686, 28.5392



49.5548, 27.2730, 37.4312



29.3952, 18.7250, 9.5337



11.4550, 11.3108, 12.9309



17.4061, 8.7730, 9.8571



0.9361, 0.4679, 0.7096

Inverse Universe

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



33.0043, 20.1686, 28.5392



49.5548, 27.2730, 37.4312



35.5909, 49.8857, 63.4030



11.4550, 11.3108, 12.9309



17.4061, 8.7730, 9.8571



0.9361, 0.4679, 0.7096

Previews

White Background



This preview shows how the XYZ color 33.0037, 20.1676, 28.5388 looks on a white background.

Color Contrast Check

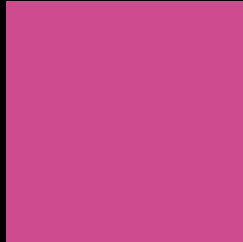
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0037, 20.1676, 28.5388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

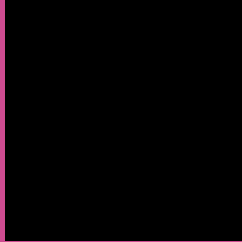
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0037, 20.1676, 28.5388

Background



This preview shows how black text looks on a background with the XYZ color 33.0037, 20.1676, 28.5388.



This preview shows how white text looks on a background with the XYZ color 33.0037, 20.1676,

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

33.0037, 20.1676, 28.5388

Protanopia

21.2031, 20.5284, 44.4398

Deuteranopia

20.7128, 20.3062, 26.4947



Tritanopia

29.7411, 20.1633, 12.6803

Trichromacy



Original Color

33.0037, 20.1676, 28.5388

Protanomaly

23.4472, 18.9540, 38.0200

Deuteranomaly

23.7845, 19.0632, 27.2369

Tritanomaly

30.6465, 20.0529, 17.5846

Monochromacy



Original Color

33.0037, 20.1676, 28.5388

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

22.2177, 18.4872, 23.5165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0037, 20.1676, 28.5388 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(206, 75, 144)` looks like.

```
.text, #text, p{  
    color:rgb(206, 75, 144)  
}
```

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(206, 75, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 75, 144) }
```

Border

The CSS property to change the border of an element to XYZ 33.0037, 20.1676, 28.5388 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(206, 75, 144) }
```


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

```
.border{ border-color:rgb(206, 75, 144) }
```

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

Here you see how a box with a 4 pixel rgb(206, 75, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 75, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 75, 144);  
box-shadow:4px 4px 4px 4px rgb(206, 75,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0037, 20.1676, 28.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 75, 144) }
```

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

```
.background{ background-color: rgb(206, 75,  
144) }
```

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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