

Converting Colors

XYZ(36.3033, 18.7837, 52.8722)

Have a look what the booklet for
XYZ(36.3033, 18.7837, 52.8722)
contains.

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Color

**XYZ(36.2627, 18.7463,
52.7461)**

Conversions

Conversions Part 1

Format	Color
Hex	CF29C2
RGB	207, 41, 194
RGB Percent	81%, 16%, 76%
CMY	0.1882, 0.8392, 0.2392
CMYK	0.00, 0.80, 0.06, 0.19
HSL	305°, 67%, 49%
HSV	305°, 80%, 81%
XYZ	36.2627, 18.7463, 52.7461
YIQ	108.0760, 49.8230, 82.7750

Conversions

Conversions Part 2

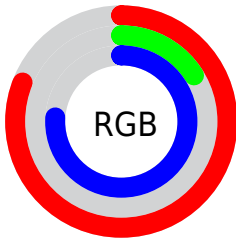
Format	Color
R_{YB}	207, 41, 194
Decimal	13576642
CIE _{Lab}	50.39, 76.48, -42.61
CIE _{LCh}	50, 87.551, 330.876
Yxy	18.7463, 0.3365, 0.1740
Android (android.graphics.Color)	4291766722 (0xFFCF29C2)
YUV	108.0760, 42.3605, 86.7563
Hunter-Lab	43.2970, 73.7300, -41.9215

Details

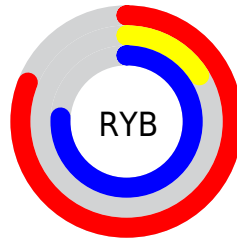
The XYZ color **36.2627, 18.7463, 52.7461** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **23.8941, 45.3643, 10.9882**, and the grayscale version is **14.1519, 14.8889, 16.2140**.

A 20% lighter version of the original color is **63.9103, 38.7404, 95.3760**, and **16.9464, 8.1893, 25.4985** is the 20% darker color. If you saturate the color by 10%, you get **35.5446, 17.5995, 51.6133**, and if you desaturate by 10%, it is **37.3602, 20.6477, 54.0154**.

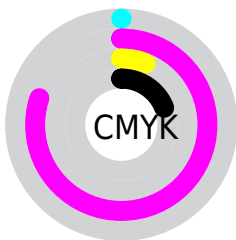
Distribution



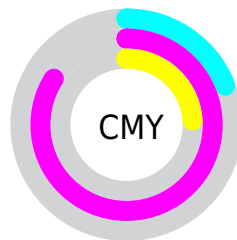
- Red (81%)
- Green (16%)
- Blue (76%)



- Red (81%)
- Yellow (16%)
- Blue (76%)



- Cyan (0%)
- Magenta (80%)
- Yellow (6%)
- Black (19%)





- Cyan (19%)
- Magenta (84%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2627, 18.7463, 52.7461 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 36.2627, 18.7463, 52.7461 by changing the saturation by 10% instead.


 36.2627, 18.7463,
52.7461


 36.2627, 18.7463,
52.7461


321.5185,
245.0446, 414.3489


 24.8082, 11.4871,
37.2138


 68.7586, 41.3050,
95.6684


 16.0622, 6.3955,
25.0760


 90.5306, 57.3732,
123.8955

 9.6593, 3.0870,
15.9141


 116.4726, 77.1466,
157.1912

 5.2342, 1.1773,
9.3097

 146.9499,
101.0096, 195.9742

 2.4215, 0.0431,
4.8442

 182.3277,
129.3464, 240.6629

 0.8558, 0.0000,
2.0990

222.9716,

 0.0000, 0.0000,

162.5416, 291.6759

0.6152

269.2467,
200.9796, 349.4317

■ 0.0000, 0.0000,
0.0000

■ 36.2627, 18.7463,
52.7461

■ 36.2627, 18.7463,
52.7461

■ 35.5446, 17.5995,
51.6133

■ 37.3602, 20.6477,
54.0154

■ 35.1132, 17.0179,
50.6023

■ 38.8867, 23.4046,
55.4374

■ 40.8867, 27.1052,
57.0271

■ 43.3986, 31.8263,
58.7973

■ 46.4566, 37.6364,
60.7595

■ 50.0921, 44.5985,
62.9241

■ 54.3343, 52.7705,
65.3010

■ 59.2100, 62.2065,
67.8990

■ 64.7449, 72.9573,
70.7268

Harmonies

Analogous

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



27.5971, 18.7463, 92.7753



36.2627, 18.7463, 52.7461



39.6824, 18.7463, 19.7038

Triad

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



36.2627, 18.7463, 52.7461



17.5689, 18.7463, 0.0000



7.1446, 18.7463, 55.1164

Complementary

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



36.2627, 18.7463, 52.7461



23.8941, 45.3643, 10.9882

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.



5.9579, 18.7463, 21.1360



36.2627, 18.7463, 52.7461



10.6739, 18.7463, 0.8204

Square

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



36.2627, 18.7463, 52.7461



27.0214, 18.7463, 0.7268



7.0095, 18.7463, 5.0490



10.9846, 18.7463, 94.7541

Rectangle

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



36.2627, 18.7463, 52.7461



37.8827, 18.7463, 7.8571



7.0095, 18.7463, 5.0490



6.4892, 18.7463, 42.0641

Sweetspot

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



36.2634, 18.7472, 52.7465



77.7751, 66.6697, 99.3818



13.4760, 6.8237, 59.6391



16.2041, 13.4223, 21.0064



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.



36.2634, 18.7472, 52.7465



56.4659, 27.5275, 81.5622



29.5030, 16.0430, 17.1466



12.2692, 11.9924, 14.6933



22.1387, 10.7283, 31.9664



1.2500, 0.6047, 1.8513

Inverse Universe

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



36.2634, 18.7472, 52.7465



56.4659, 27.5275, 81.5622



27.6062, 46.8492, 30.5359



12.2692, 11.9924, 14.6933



22.1387, 10.7283, 31.9664



1.2500, 0.6047, 1.8513

Previews

White Background



This preview shows how the XYZ color 36.2627, 18.7463, 52.7461 looks on a white background.

Color Contrast Check

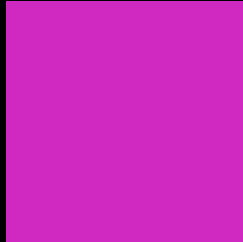
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2627, 18.7463, 52.7461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

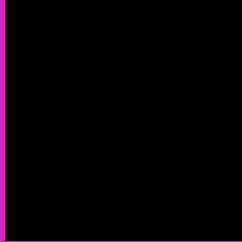
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2627, 18.7463, 52.7461

Background



This preview shows how black text looks on a background with the XYZ color 36.2627, 18.7463, 52.7461.



This preview shows how white text looks on a background with the XYZ color 36.2627, 18.7463,

52.7461.

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

36.2627, 18.7463, 52.7461

Deuteranopia

19.4802, 19.0255, 47.4453

Tritanopia

27.6614, 18.6435, 11.5918

Trichromacy



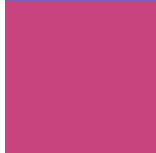
Original Color

36.2627, 18.7463, 52.7461



Deuteranomaly

22.3836, 16.0566, 48.9332



Tritanomaly

29.7173, 17.9459, 21.9763

Monochromacy



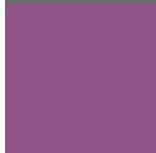
Original Color

36.2627, 18.7463, 52.7461



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

19.3321, 14.1340, 26.1353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2627, 18.7463, 52.7461 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(207, 41, 194)` looks like.

```
.text, #text, p{  
    color:rgb(207, 41, 194)  
}
```

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(207, 41, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 41, 194) }
```

Border

The CSS property to change the border of an element to XYZ 36.2627, 18.7463, 52.7461 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(207, 41, 194) }
```

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

```
.border{ border-color:rgb(207, 41, 194) }
```

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

Here you see how a box with a 4 pixel rgb(207, 41, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 41, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 41, 194);  
box-shadow:4px 4px 4px 4px rgb(207, 41,  
194) }
```


Background

The CSS property to change the background color of an element to XYZ 36.2627, 18.7463, 52.7461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 41, 194) }
```

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

```
.background{ background-color: rgb(207, 41,  
194) }
```

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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