

Converting Colors

XYZ(36.5302, 19.7675, 44.9251)

Have a look what the booklet for
XYZ(36.5302, 19.7675, 44.9251)
contains.

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Color

**XYZ(36.6627, 19.8385,
45.0769)**

Conversions

Conversions Part 1

Format	Color
Hex	D435B4
RGB	212, 53, 180
RGB Percent	83%, 21%, 71%
CMY	0.1686, 0.7921, 0.2941
CMYK	0.00, 0.75, 0.15, 0.17
HSL	312°, 65%, 52%
HSV	312°, 75%, 83%
XYZ	36.6627, 19.8385, 45.0769
YIQ	115.0190, 53.9970, 73.2050

Conversions

Conversions Part 2

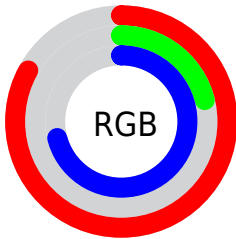
Format	Color
R _Y B	212, 53, 180
Decimal	13907380
CIE Lab	51.65, 72.36, -32.42
CIE LCh	52, 79.286, 335.868
Yxy	19.8385, 0.3609, 0.1953
Android (android.graphics.Color)	4292097460 (0xFFD435B4)
YUV	115.0190, 32.0356, 85.0523
Hunter-Lab	44.5404, 68.9835, -28.8258

Details

The XYZ color **36.6627, 19.8385, 45.0769** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **26.6524, 48.5005, 16.5531**, and the grayscale version is **16.1973, 17.0408, 18.5574**.

A 20% lighter version of the original color is **62.5111, 39.5776, 83.7014**, and **16.9676, 8.3046, 20.7873** is the 20% darker color. If you saturate the color by 10%, you get **35.4731, 18.1440, 42.5687**, and if you desaturate by 10%, it is **38.2942, 22.3946, 47.7988**.

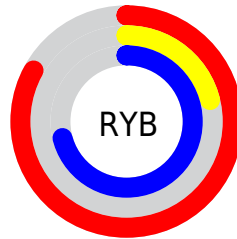
Distribution



Red (83%)

Green (21%)

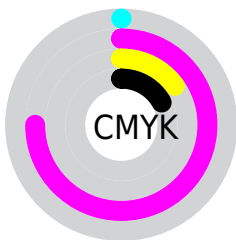
Blue (71%)



Red (83%)

Yellow (21%)

Blue (71%)

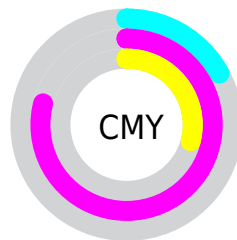


Cyan (0%)

Magenta (75%)

Yellow (15%)

Black (17%)



Cyan (17%)

Magenta (79%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6627, 19.8385, 45.0769 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 36.6627, 19.8385, 45.0769 by changing the saturation by 10% instead.

 36.6627, 19.8385,
45.0769


 36.6627, 19.8385,
45.0769


323.2288,
251.0395, 383.2541


 25.1189, 12.2777,
31.1746


 69.3709, 43.1463,
84.1555


 16.2949, 6.9331,
20.4723


 91.2661, 59.6620,
110.1688


 9.8252, 3.4203,
12.5513


 117.3424, 79.9315,
141.0563

 5.3446, 1.3549,
6.9932

 147.9652,
104.3392, 177.2364

 2.4877, 0.1831,
3.3795

 183.4999,
133.2694, 219.1277

 0.8890, 0.0000,
1.2915

224.3118,

 0.0000, 0.0000,

167.1066, 267.1487

0.0548

270.7664,
206.2352, 321.7180

■ 0.0000, 0.0000,
0.0000

■ 36.6627, 19.8385,
45.0769

■ 36.6627, 19.8385,
45.0769

■ 35.4731, 18.1440,
42.5687

■ 38.2942, 22.3946,
47.7988

■ 34.6621, 17.1857,
40.2519

■ 40.4156, 25.9094,
50.7504

■ 34.3442, 16.8742,
39.1463

■ 43.0709, 30.4702,
53.9472

■ 46.2986, 36.1538,
57.4025

■ 50.1334, 43.0295,
61.1285

■ 54.6075, 51.1612,
65.1364

■ 59.7504, 60.6082,
69.4367

■ 65.5901, 71.4261,
74.0391

■ 72.1527, 83.6671,
78.9530

Harmonies

Analogous

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



29.3793, 19.8385, 80.5668



36.6627, 19.8385, 45.0769



38.6664, 19.8385, 17.4030

Triad

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



36.6627, 19.8385, 45.0769



17.3267, 19.8385, 0.7123



8.9368, 19.8385, 59.0524

Complementary

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



36.6627, 19.8385, 45.0769



26.6524, 48.5005, 16.5531

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.



7.3213, 19.8385, 26.4245



36.6627, 19.8385, 45.0769



11.2037, 19.8385, 1.9576

Square

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



36.6627, 19.8385, 45.0769



25.8687, 19.8385, 1.1823



8.0146, 19.8385, 8.1334



13.2410, 19.8385, 91.8906

Rectangle

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



36.6627, 19.8385, 45.0769



36.3567, 19.8385, 7.5187



8.0146, 19.8385, 8.1334



8.1264, 19.8385, 47.0817

Sweetspot

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



36.6634, 19.8395, 45.0773



77.9254, 68.5748, 94.4854



16.8861, 9.2228, 63.1781



16.3016, 13.9946, 19.8759



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.



36.6634, 19.8395, 45.0773



53.0833, 26.5708, 62.5282



30.7597, 17.4780, 13.9890



12.8409, 12.5879, 15.1025



21.2388, 10.4319, 24.3596



1.3088, 0.6403, 1.6157

Inverse Universe

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



36.6634, 19.8395, 45.0773



53.0833, 26.5708, 62.5282



31.7406, 50.5358, 43.3472



12.8409, 12.5879, 15.1025



21.2388, 10.4319, 24.3596



1.3088, 0.6403, 1.6157

Previews

White Background



This preview shows how the XYZ color 36.6627, 19.8385, 45.0769 looks on a white background.

Color Contrast Check

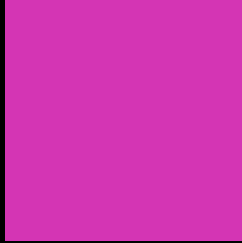
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6627, 19.8385, 45.0769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

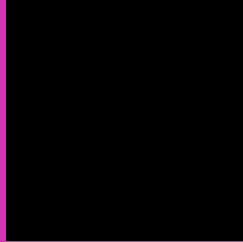
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6627, 19.8385, 45.0769

Background



This preview shows how black text looks on a background with the XYZ color 36.6627, 19.8385, 45.0769.



This preview shows how white text looks on a background with the XYZ color 36.6627, 19.8385,

45.0769.

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

36.6627, 19.8385, 45.0769

Protanopia

23.6017, 20.3886, 82.0483

Deuteranopia

20.5219, 20.0726, 40.8230



Tritanopia

29.8753, 19.8993, 11.7175

Trichromacy



Original Color

36.6627, 19.8385, 45.0769



Protanomaly

23.5170, 16.9010, 66.9885



Deuteranomaly

23.7687, 17.7164, 42.2113



Tritanomaly

31.6275, 19.4356, 20.4968

Monochromacy



Original Color

36.6627, 19.8385, 45.0769



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

21.0650, 16.0024, 26.4046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6627, 19.8385, 45.0769 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(212, 53, 180)` looks like.

```
.text, #text, p{  
    color:rgb(212, 53, 180)  
}
```

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(212, 53, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 53, 180) }
```

Border

The CSS property to change the border of an element to XYZ 36.6627, 19.8385, 45.0769 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(212, 53, 180) }
```


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

```
.border{ border-color:rgb(212, 53, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 53, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 53, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 53, 180);  
box-shadow:4px 4px 4px 4px rgb(212, 53,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6627, 19.8385, 45.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 53, 180) }
```

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

```
.background{ background-color: rgb(212, 53,  
180) }
```

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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