

Converting Colors

XYZ(35.6223, 18.2275, 67.2875)

Have a look what the booklet for
XYZ(35.6223, 18.2275, 67.2875)
contains.

XYZ(35.6732, 18.2805, 67.2939)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.6732, 18.2805,
67.2939)**

Conversions

Conversions Part 1

Format	Color
Hex	C22CD9
RGB	194, 44, 217
RGB Percent	76%, 17%, 85%
CMY	0.2392, 0.8274, 0.1490
CMYK	0.11, 0.80, 0.00, 0.15
HSL	292°, 69%, 51%
HSV	292°, 80%, 85%
XYZ	35.6732, 18.2805, 67.2939
YIQ	108.5720, 33.8670, 85.6030

Conversions

Conversions Part 2

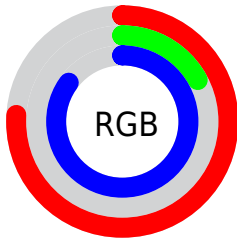
Format	Color
RYB	194, 44, 217
Decimal	12725465
CIELab	49.83, 76.90, -56.85
CIElCh	50, 95.630, 323.523
Yxy	18.2805, 0.2942, 0.1508
Android (android.graphics.Color)	4290915545 (0xFFC22CD9)
YUV	108.5720, 53.4550, 74.9204
Hunter-Lab	42.7557, 74.1089, -63.3885

Details

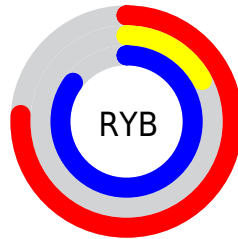
The XYZ color **35.6732, 18.2805, 67.2939** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.5829, 51.0013, 10.7741**, and the grayscale version is **14.2635, 15.0063, 16.3419**.

A 20% lighter version of the original color is **64.2856, 39.0160, 98.7503**, and **16.5864, 7.8074, 34.3510** is the 20% darker color. If you saturate the color by 10%, you get **34.3325, 16.6869, 67.0573**, and if you desaturate by 10%, it is **37.4519, 20.7272, 67.6727**.

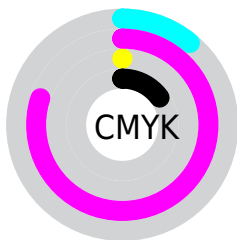
Distribution



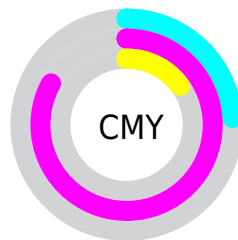
- Red (76%)
- Green (17%)
- Blue (85%)



- Red (76%)
- Yellow (17%)
- Blue (85%)



- Cyan (11%)
- Magenta (80%)
- Yellow (0%)
- Black (15%)





- Cyan (24%)
- Magenta (83%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6732, 18.2805, 67.2939 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 35.6732, 18.2805, 67.2939 by changing the saturation by 10% instead.


 35.6732, 18.2805,
67.2939


 35.6732, 18.2805,
67.2939


318.9861,
242.4474, 469.5201


 24.3508, 11.1516,
48.8604


 67.8545, 40.5147,
116.9861


 15.7202, 6.1689,
34.1439


 89.4442, 56.3888,
149.0819


 9.4160, 2.9480,
22.7259


 115.1871, 75.9467,
186.5688

 5.0728, 1.1047,
14.1879

 145.4484, 99.5728,
229.8655

 2.3252, 0.0000,
8.1112

 180.5937,
127.6515, 279.3904

 0.8075, 0.0000,
4.0774

220.9881,

 0.0000, 0.0000,

160.5673, 335.5621

1.6679

266.9971,
198.7044, 398.7992

■ 0.0000, 0.0000,
0.3386

■ 0.0000, 0.0000,
0.0000

■ 35.6732, 18.2805,
67.2939

■ 35.6732, 18.2805,
67.2939

■ 34.3325, 16.6869,
67.0573

■ 37.4519, 20.7272,
67.6727

■ 33.3273, 15.7438,
66.9282

■ 39.7242, 24.1403,
68.2117

■ 33.3007, 15.7203,
66.9251

■ 42.5397, 28.6184,
68.9277

■ 45.9414, 34.2471,
69.8348

■ 49.9678, 41.1033,
70.9460

■ 54.6539, 49.2572,
72.2729

■ 60.0325, 58.7738,
73.8263

■ 66.1337, 69.7137,
75.6163

■ 72.9861, 82.1337,
77.6525

Harmonies

Analogous

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



25.3712, 18.2805, 110.8405



35.6732, 18.2805, 67.2939



41.3259, 18.2805, 26.1359

Triad

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



35.6732, 18.2805, 67.2939



19.4329, 18.2805, 0.0000



5.7328, 18.2805, 47.4914

Complementary

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



35.6732, 18.2805, 67.2939



27.5829, 51.0013, 10.7741

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.



5.1131, 18.2805, 14.7515



35.6732, 18.2805, 67.2939



11.2649, 18.2805, 0.0000

Square

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



35.6732, 18.2805, 67.2939



30.0502, 18.2805, 0.6310



6.7320, 18.2805, 2.4751



8.8845, 18.2805, 93.9498

Rectangle

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



35.6732, 18.2805, 67.2939



40.6616, 18.2805, 10.3060



6.7320, 18.2805, 2.4751



5.2808, 18.2805, 34.1378

Sweetspot

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



35.6740, 18.2813, 67.2943



75.6070, 65.4640, 103.2586



15.5750, 9.5685, 66.6719



15.6731, 13.1270, 21.9576



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.



35.6740, 18.2813, 67.2943



48.4245, 23.0430, 96.5032



35.3133, 18.8725, 32.1658



13.4353, 13.1825, 16.4885



20.2233, 9.5497, 40.5158



1.3584, 0.6435, 2.6271

Inverse Universe

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



30.5297, 16.9590, 6.9755



41.7821, 21.6540, 4.2385



28.5290, 51.2323, 22.4163



13.1262, 13.0796, 13.9256



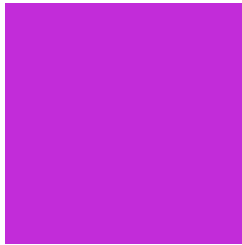
17.4774, 8.9920, 1.6279



1.1556, 0.5919, 0.2286

Previews

White Background



This preview shows how the XYZ color 35.6732, 18.2805, 67.2939 looks on a white background.

Color Contrast Check

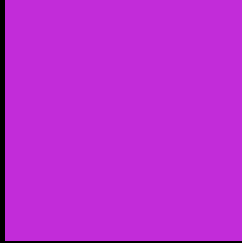
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.6732, 18.2805, 67.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

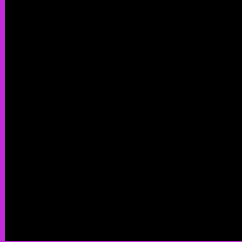
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.6732, 18.2805, 67.2939

Background



This preview shows how black text looks on a background with the XYZ color 35.6732, 18.2805, 67.2939.



This preview shows how white text looks on a background with the XYZ color 35.6732, 18.2805,

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

35.6732, 18.2805, 67.2939

Protanopia

22.3084, 18.7325, 87.2340

Deuteranopia

19.1521, 18.5708, 60.3327



Tritanopia

24.6697, 18.1389, 14.0053

Trichromacy



Original Color

35.6732, 18.2805, 67.2939



Protanomaly

21.0222, 14.4249, 79.5182



Deuteranomaly

21.0447, 15.2008, 62.1465



Tritanomaly

27.1657, 17.1755, 27.4746

Monochromacy



Original Color

35.6732, 18.2805, 67.2939



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

19.4090, 14.2106, 29.7369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6732, 18.2805, 67.2939 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(194, 44, 217)` looks like.

```
.text, #text, p{  
    color:rgb(194, 44, 217)  
}
```

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(194, 44, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 44, 217) }
```

Border

The CSS property to change the border of an element to XYZ 35.6732, 18.2805, 67.2939 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(194, 44, 217) }
```


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

```
.border{ border-color:rgb(194, 44, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 44, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 44, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 44, 217);  
box-shadow:4px 4px 4px 4px rgb(194, 44,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6732, 18.2805, 67.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 44, 217) }
```

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

```
.background{ background-color: rgb(194, 44,  
217) }
```

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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