

Converting Colors

XYZ(36.5186, 23.3977, 55.7808)

Have a look what the booklet for
XYZ(36.5186, 23.3977, 55.7808)
contains.

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Color

**XYZ(36.5259, 23.3336,
56.0048)**

Conversions

Conversions Part 1

Format	Color
Hex	C35CC6
RGB	195, 92, 198
RGB Percent	76%, 36%, 78%
CMY	0.2353, 0.6392, 0.2235
CMYK	0.02, 0.54, 0.00, 0.22
HSL	298°, 48%, 57%
HSV	298°, 54%, 78%
XYZ	36.5259, 23.3336, 56.0048
YIQ	134.8810, 27.3620, 54.8020

Conversions

Conversions Part 2

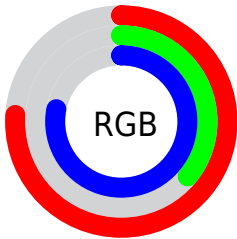
Format	Color
R_{YB}	195, 92, 198
Decimal	12803270
CIE _{Lab}	55.41, 55.70, -37.12
CIE _{LCh}	55, 66.931, 326.320
Yxy	23.3336, 0.3152, 0.2014
Android (android.graphics.Color)	4290993350 (0xFFC35CC6)
YUV	134.8810, 31.1177, 52.7244
Hunter-Lab	48.3049, 50.4399, -34.9276

Details

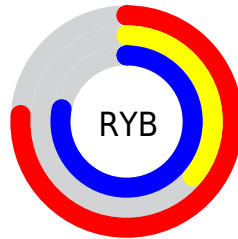
The XYZ color **36.5259, 23.3336, 56.0048** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **26.8459, 43.5943, 17.1259**, and the grayscale version is **22.8672, 24.0580, 26.1992**.

A 20% lighter version of the original color is **69.3568, 49.1583, 100.4407**, and **16.3124, 8.7643, 27.2175** is the 20% darker color. If you saturate the color by 10%, you get **34.8853, 20.2663, 55.4995**, and if you desaturate by 10%, it is **38.6169, 27.2996, 56.6604**.

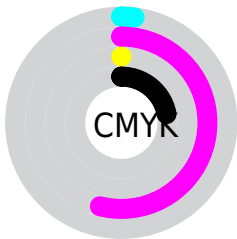
Distribution



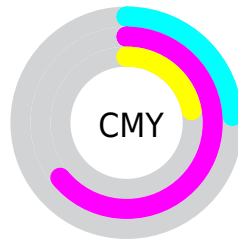
- Red (76%)
- Green (36%)
- Blue (78%)



- Red (76%)
- Yellow (36%)
- Blue (78%)



- Cyan (2%)
- Magenta (54%)
- Yellow (0%)
- Black (22%)




- Cyan (24%)
- Magenta (64%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.5259, 23.3336, 56.0048 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 36.5259, 23.3336, 56.0048 by changing the saturation by 10% instead.


 36.5259, 23.3336,
56.0048


 36.5259, 23.3336,
56.0048

322.6446,
269.4338, 427.0984


 25.0126, 14.8400,
39.8028

 69.1616, 48.9405,
100.4975


 16.2152, 8.7072,
27.0722


 91.0147, 66.8227,
129.6252

 9.7684, 4.5507,
17.3945


 117.0451, 88.6031,
163.8985

 5.3068, 1.9861,
10.3512

 147.6183,
114.6663, 203.7360

 2.4649, 0.5994,
5.5238

183.0994,
145.3965, 249.5562

 0.8776, 0.0000,
2.4937

223.8540,

 0.0000, 0.0000,

181.1783, 301.7776

0.8368

270.2473,
222.3959, 360.8188

■ 0.0000, 0.0000,
0.0000

■ 36.5259, 23.3336,
56.0048

■ 36.5259, 23.3336,
56.0048

■ 34.8853, 20.2663,
55.4995

■ 38.6169, 27.2996,
56.6604

■ 33.6569, 18.0231,
55.1313

■ 41.1876, 32.2249,
57.4756

■ 32.8003, 16.5228,
54.8869

■ 44.2678, 38.1684,
58.4605

■ 32.2659, 15.6661,
54.7497

■ 47.8842, 45.1836,
59.6240

■ 32.0324, 15.3358,
54.6982

■ 52.0617, 53.3199,
60.9743

■ 56.8234, 62.6240,
62.5192

■ 62.1914, 73.1398,
64.2660

■ 68.1863, 84.9088,
66.2217

■ 69.7841, 87.8826,
66.7114

Harmonies

Analogous

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



29.2304, 23.3336, 83.5760



36.5259, 23.3336, 56.0048



39.9740, 23.3336, 28.1597

Triad

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



36.5259, 23.3336, 56.0048



23.1195, 23.3336, 2.4334



11.5739, 23.3336, 48.5594

Complementary

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



36.5259, 23.3336, 56.0048



26.8459, 43.5943, 17.1259

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.



10.6470, 23.3336, 22.8386



36.5259, 23.3336, 56.0048



16.3621, 23.3336, 3.4253

Square

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



36.5259, 23.3336, 56.0048



31.2068, 23.3336, 4.1732



12.1863, 23.3336, 8.6603



15.0837, 23.3336, 77.8306

Rectangle

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



36.5259, 23.3336, 56.0048



39.1605, 23.3336, 15.4519



12.1863, 23.3336, 8.6603



10.9897, 23.3336, 38.9174

Sweetspot

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



36.5267, 23.3346, 56.0053



82.9638, 76.4561, 104.9926



18.7480, 14.6344, 55.2630



17.4659, 15.7985, 22.3788



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.



36.5267, 23.3346, 56.0053



61.4214, 35.2344, 98.1714



32.5042, 21.8161, 30.7376



11.0523, 10.8007, 13.4197



20.8442, 9.9798, 35.5720



0.9965, 0.4775, 1.6848

Inverse Universe

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



29.1821, 20.4872, 13.2437



47.1804, 29.7319, 14.4195



29.4510, 44.6011, 32.4394



10.6458, 10.6417, 11.1182



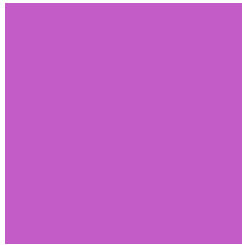
15.1705, 7.8178, 0.8420



0.7227, 0.3719, 0.0627

Previews

White Background



This preview shows how the XYZ color 36.5259, 23.3336, 56.0048 looks on a white background.

Color Contrast Check

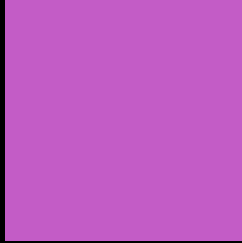
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5259, 23.3336, 56.0048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

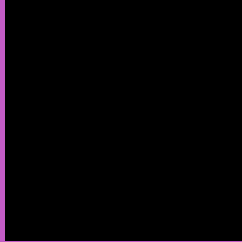
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.5259, 23.3336, 56.0048

Background



This preview shows how black text looks on a background with the XYZ color 36.5259, 23.3336, 56.0048.

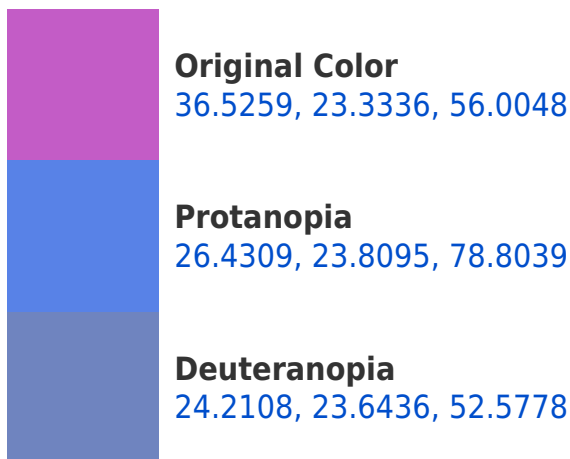


This preview shows how white text looks on a background with the XYZ color 36.5259, 23.3336,

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





Tritanopia

29.1919, 23.2587, 20.7201

Trichromacy



Original Color

36.5259, 23.3336, 56.0048



Protanomaly

27.7840, 22.1173, 69.8225



Deuteranomaly

27.2542, 22.3684, 53.9200



Tritanomaly

31.3831, 23.0601, 30.8139

Monochromacy



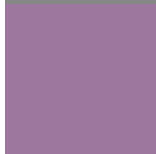
Original Color

36.5259, 23.3336, 56.0048



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

26.6730, 22.8304, 35.3486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5259, 23.3336, 56.0048 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(195, 92, 198)` looks like.

```
.text, #text, p{  
    color:rgb(195, 92, 198)  
}
```

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(195, 92, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 92, 198) }
```

Border

The CSS property to change the border of an element to XYZ 36.5259, 23.3336, 56.0048 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(195, 92, 198) }
```


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

```
.border{ border-color:rgb(195, 92, 198) }
```

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

Here you see how a box with a 4 pixel rgb(195, 92, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 92, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 92, 198);  
box-shadow:4px 4px 4px 4px rgb(195, 92,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5259, 23.3336, 56.0048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 92, 198) }
```

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

```
.background{ background-color: rgb(195, 92,  
198) }
```

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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