

Converting Colors

XYZ(38.1264, 23.5425, 54.1050)

Have a look what the booklet for
XYZ(38.1264, 23.5425, 54.1050)
contains.

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Color

**XYZ(38.1604, 23.5939,
54.1726)**

Conversions

Conversions Part 1

Format	Color
Hex	CC57C3
RGB	204, 87, 195
RGB Percent	80%, 34%, 76%
CMY	0.2000, 0.6588, 0.2353
CMYK	0.00, 0.57, 0.04, 0.20
HSL	305°, 53%, 57%
HSV	305°, 57%, 80%
XYZ	38.1604, 23.5939, 54.1726
YIQ	134.2950, 35.0640, 58.3920

Conversions

Conversions Part 2

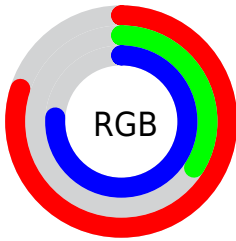
Format	Color
R _{YB}	204, 87, 195
Decimal	13391811
CIE Lab	55.68, 59.90, -34.89
CIE LCh	56, 69.322, 329.777
Yxy	23.5939, 0.3292, 0.2035
Android (android.graphics.Color)	4291581891 (0xFFCC57C3)
YUV	134.2950, 29.9276, 61.1313
Hunter-Lab	48.5736, 55.2296, -32.1228

Details

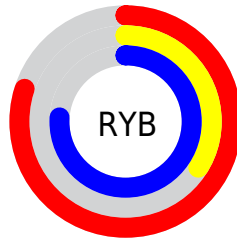
The XYZ color **38.1604, 23.5939, 54.1726** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **27.6358, 46.0575, 18.5013**, and the grayscale version is **22.6537, 23.8335, 25.9546**.

A 20% lighter version of the original color is **68.4837, 47.6343, 97.6803**, and **17.2097, 8.8649, 26.0033** is the 20% darker color. If you saturate the color by 10%, you get **36.5598, 20.6746, 52.7683**, and if you desaturate by 10%, it is **40.2311, 27.4493, 55.7432**.

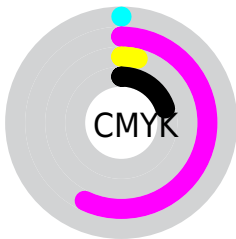
Distribution



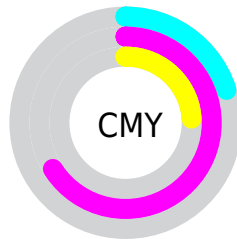
- Red (80%)
- Green (34%)
- Blue (76%)



- Red (80%)
- Yellow (34%)
- Blue (76%)



- Cyan (0%)
- Magenta (57%)
- Yellow (4%)
- Black (20%)




- Cyan (20%)
- Magenta (66%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1604, 23.5939, 54.1726 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 38.1604, 23.5939, 54.1726 by changing the saturation by 10% instead.


 38.1604, 23.5939,
54.1726


 38.1604, 23.5939,
54.1726

329.5765,
270.7609, 419.9611


 26.2850, 15.0327,
38.3456


 71.6562, 49.3667,
97.7866


 17.1708, 8.8423,
25.9471


 94.0074, 67.3470,
126.4106

 10.4524, 4.6385,
16.5586


 120.5811, 89.2358,
160.1373

 5.7645, 2.0367,
9.7617

 151.7428,
115.4175, 199.3854

 2.7417, 0.6287,
5.1377

187.8579,
146.2765, 244.5732

 1.0187, 0.0000,
2.2681

229.2916,

 0.0000, 0.0000,

182.1971, 296.1194

0.7133

276.4094,
223.5638, 354.4425

■ 0.0000, 0.0000,
0.0000

■ 38.1604, 23.5939,
54.1726

■ 38.1604, 23.5939,
54.1726

■ 36.5598, 20.6746,
52.7683

■ 40.2311, 27.4493,
55.7432

■ 35.3863, 18.6073,
51.5154

■ 42.8052, 32.3089,
57.4906

■ 34.5935, 17.2982,
50.3985

■ 45.9157, 38.2385,
59.4261

■ 34.1161, 16.6170,
49.3958

■ 49.5924, 45.2973,
61.5596

■ 34.0124, 16.4817,
49.1393

■ 53.8625, 53.5399,
63.9002

■ 58.7517, 63.0178,
66.4565

■ 64.2841, 73.7791,
69.2366

■ 70.4826, 85.8694,
72.2481

■ 72.1863, 88.9672,
73.7708

Harmonies

Analogous

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



30.7881, 23.5939, 84.4449



38.1604, 23.5939, 54.1726



41.1600, 23.5939, 25.8582

Triad

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



38.1604, 23.5939, 54.1726



22.4840, 23.5939, 2.1746



11.7095, 23.5939, 53.6953

Complementary

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



38.1604, 23.5939, 54.1726



27.6358, 46.0575, 18.5013

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.



10.4641, 23.5939, 25.5220



38.1604, 23.5939, 54.1726



15.7331, 23.5939, 3.4710

Square

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



38.1604, 23.5939, 54.1726



30.9139, 23.5939, 3.5155



11.7476, 23.5939, 9.4951



15.6530, 23.5939, 84.0739

Rectangle

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



38.1604, 23.5939, 54.1726



39.8398, 23.5939, 13.6628



11.7476, 23.5939, 9.4951



11.0089, 23.5939, 43.2692

Sweetspot

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



38.1612, 23.5950, 54.1731



82.2137, 75.1792, 101.9953



19.0070, 13.5995, 58.7507



17.3146, 15.5477, 21.6712



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.



38.1612, 23.5950, 54.1731



59.9862, 33.2378, 86.8367



32.8768, 21.4812, 26.3459



11.6489, 11.3883, 13.9515



21.4232, 10.3799, 31.0108



1.1165, 0.5400, 1.6595

Inverse Universe

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



38.1612, 23.5950, 54.1731



59.9862, 33.2378, 86.8367



31.2990, 47.5228, 37.7916



11.6489, 11.3883, 13.9515



21.4232, 10.3799, 31.0108



1.1165, 0.5400, 1.6595

Previews

White Background



This preview shows how the XYZ color 38.1604, 23.5939, 54.1726 looks on a white background.

Color Contrast Check

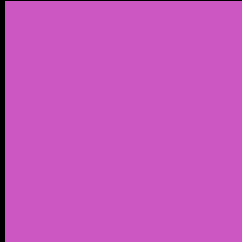
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.1604, 23.5939, 54.1726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

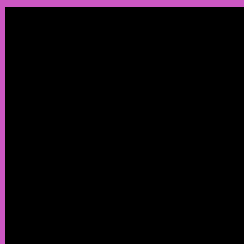
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.1604, 23.5939, 54.1726

Background



This preview shows how black text looks on a background with the XYZ color 38.1604, 23.5939, 54.1726.



This preview shows how white text looks on a background with the XYZ color 38.1604, 23.5939,

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

38.1604, 23.5939, 54.1726

Protanopia

26.8488, 24.1905, 80.3449

Deuteranopia

24.2911, 23.7352, 50.3148



Tritanopia

31.0206, 23.5882, 19.4410

Trichromacy



Original Color

38.1604, 23.5939, 54.1726



Protanomaly

28.1228, 22.1218, 69.8055



Deuteranomaly

27.5723, 22.4115, 51.5878



Tritanomaly

32.9567, 23.1644, 29.5222

Monochromacy



Original Color

38.1604, 23.5939, 54.1726



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.6601, 22.4938, 34.3891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1604, 23.5939, 54.1726 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(204, 87, 195)` looks like.

```
.text, #text, p{  
    color:rgb(204, 87, 195)  
}
```

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(204, 87, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 87, 195) }
```

Border

The CSS property to change the border of an element to XYZ 38.1604, 23.5939, 54.1726 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(204, 87, 195) }
```


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

```
.border{ border-color:rgb(204, 87, 195) }
```

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

Here you see how a box with a 4 pixel rgb(204, 87, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 87, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 87, 195);  
box-shadow:4px 4px 4px 4px rgb(204, 87,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1604, 23.5939, 54.1726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 87, 195) }
```

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

```
.background{ background-color: rgb(204, 87,  
195) }
```

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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