

Converting Colors

XYZ(38.3642, 21.5816, 56.2988)

Have a look what the booklet for
XYZ(38.3642, 21.5816, 56.2988)
contains.

XYZ(38.3284, 21.5477, 56.1718)	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(38.3284, 21.5477,
56.1718)**

Conversions

Conversions Part 1

Format	Color
Hex	D043C7
RGB	208, 67, 199
RGB Percent	82%, 26%, 78%
CMY	0.1843, 0.7372, 0.2196
CMYK	0.00, 0.68, 0.04, 0.18
HSL	304°, 60%, 54%
HSV	304°, 68%, 82%
XYZ	38.3284, 21.5477, 56.1718
YIQ	124.2070, 41.6640, 70.9440

Conversions

Conversions Part 2

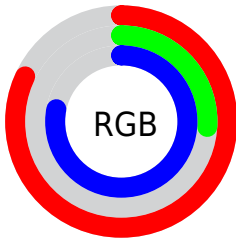
Format	Color
R _Y B	208, 67, 199
Decimal	13648839
CIE Lab	53.54, 69.64, -40.50
CIE LCh	54, 80.563, 329.820
Yxy	21.5477, 0.3303, 0.1857
Android (android.graphics.Color)	4291838919 (0xFFD043C7)
YUV	124.2070, 36.8729, 73.4865
Hunter-Lab	46.4195, 66.1526, -39.2526

Details

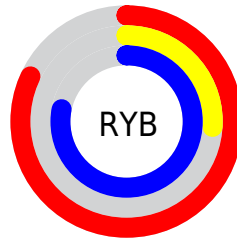
The XYZ color **38.3284, 21.5477, 56.1718** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **26.1761, 46.8278, 14.4979**, and the grayscale version is **19.0994, 20.0941, 21.8825**.

A 20% lighter version of the original color is **66.7509, 43.4017, 99.4670**, and **17.6117, 8.4976, 27.0975** is the 20% darker color. If you saturate the color by 10%, you get **37.1532, 19.4424, 55.0228**, and if you desaturate by 10%, it is **39.9504, 24.5433, 57.4767**.

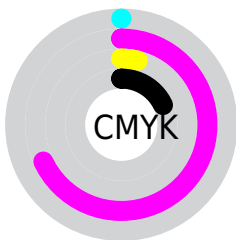
Distribution



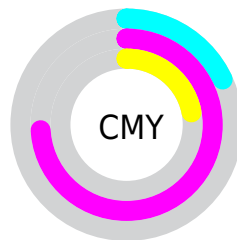
- Red (82%)
- Green (26%)
- Blue (78%)



- Red (82%)
- Yellow (26%)
- Blue (78%)



- Cyan (0%)
- Magenta (68%)
- Yellow (4%)
- Black (18%)



- Cyan (18%)
- Magenta (74%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3284, 21.5477, 56.1718 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 38.3284, 21.5477, 56.1718 by changing the saturation by 10% instead.

38.3284, 21.5477,
56.1718

38.3284, 21.5477,
56.1718

330.2832,
260.1751, 427.7451

26.4160, 13.5249,
39.9358

71.9119, 45.9973,
100.7440

17.2695, 7.7910,
27.1751

94.3137, 63.1929,
129.9173

10.5233, 3.9615,
17.4711

120.9427, 84.2150,
164.2400

5.8122, 1.6521,
10.4055

152.1643,
109.4478, 204.1308

2.7708, 0.3923,
5.5595

188.3437,
139.2758, 250.0082

1.0337, 0.0000,
2.5147

229.8465,

0.0000, 0.0000,

174.0835, 302.2907

0.8479

277.0378,
214.2551, 361.3968

■ 0.0000, 0.0000,
0.0000

■ 38.3284, 21.5477,
56.1718

■ 38.3284, 21.5477,
56.1718

■ 37.1532, 19.4424,
55.0228

■ 39.9504, 24.5433,
57.4767

■ 36.3723, 18.1241,
54.0118

■ 42.0596, 28.5116,
58.9504

■ 35.9150, 17.4510,
53.1152

■ 44.6943, 33.5290,
60.6060

■ 35.8318, 17.3377,
52.9236

■ 47.8887, 39.6635,
62.4548

■ 51.6739, 46.9773,
64.5073

■ 56.0787, 55.5282,
66.7730

■ 61.1300, 65.3699,
69.2610

■ 66.8532, 76.5533,
71.9797

■ 73.2723, 89.1263,
74.9371

Harmonies

Analogous

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



29.8382, 21.5477, 93.0585



38.3284, 21.5477, 56.1718



41.8291, 21.5477, 23.6110

Triad

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



38.3284, 21.5477, 56.1718



20.5325, 21.5477, 0.8217



9.2348, 21.5477, 55.7114

Complementary

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



38.3284, 21.5477, 56.1718



26.1761, 46.8278, 14.4979

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.



8.0079, 21.5477, 23.3132



38.3284, 21.5477, 56.1718



13.3175, 21.5477, 1.7020

Square

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



38.3284, 21.5477, 56.1718



29.9542, 21.5477, 1.7280



9.2654, 21.5477, 6.8134



13.2500, 21.5477, 92.6857

Rectangle

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



38.3284, 21.5477, 56.1718



40.2743, 21.5477, 10.8025



9.2654, 21.5477, 6.8134



8.5423, 21.5477, 43.4270

Sweetspot

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



38.3292, 21.5487, 56.1722



80.3630, 71.4578, 101.4402



16.2212, 10.0273, 60.7559



16.8292, 14.5761, 21.5121



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.



38.3292, 21.5487, 56.1722



58.3146, 29.8105, 86.5386



32.0802, 19.0491, 23.2653



12.2769, 11.9955, 14.7337



22.3458, 10.8112, 33.0567



1.2595, 0.6085, 1.9014

Inverse Universe

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



38.3292, 21.5487, 56.1722



58.3146, 29.8105, 86.5386



29.9479, 48.3365, 34.3594



12.2769, 11.9955, 14.7337



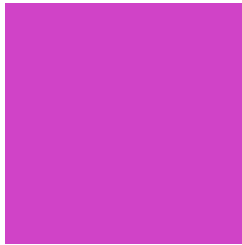
22.3458, 10.8112, 33.0567



1.2595, 0.6085, 1.9014

Previews

White Background



This preview shows how the XYZ color 38.3284, 21.5477, 56.1718 looks on a white background.

Color Contrast Check

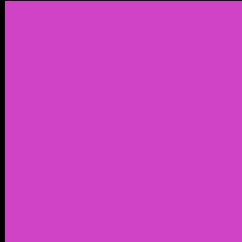
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3284, 21.5477, 56.1718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

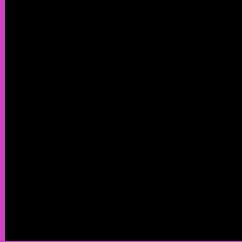
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.3284, 21.5477, 56.1718

Background



This preview shows how black text looks on a background with the XYZ color 38.3284, 21.5477, 56.1718.



This preview shows how white text looks on a background with the XYZ color 38.3284, 21.5477,

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

38.3284, 21.5477, 56.1718

Protanopia

25.9855, 22.0841, 94.1599

Deuteranopia

22.4929, 21.9808, 51.7724



Tritanopia

30.0621, 21.5546, 15.6727

Trichromacy



Original Color

38.3284, 21.5477, 56.1718



Protanomaly

25.6001, 18.7148, 78.6070



Deuteranomaly

25.7642, 19.8210, 52.9200



Tritanomaly

32.3451, 21.0762, 26.7894

Monochromacy



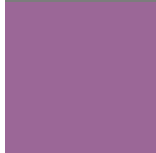
Original Color

38.3284, 21.5477, 56.1718



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

23.9537, 18.9034, 31.6644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3284, 21.5477, 56.1718 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(208, 67, 199)` looks like.

```
.text, #text, p{  
    color:rgb(208, 67, 199)  
}
```

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(208, 67, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 67, 199) }
```

Border

The CSS property to change the border of an element to XYZ 38.3284, 21.5477, 56.1718 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(208, 67, 199) }
```


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

```
.border{ border-color:rgb(208, 67, 199) }
```

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

Here you see how a box with a 4 pixel rgb(208, 67, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 67, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 67, 199);  
box-shadow:4px 4px 4px 4px rgb(208, 67,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3284, 21.5477, 56.1718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 67, 199) }
```

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

```
.background{ background-color: rgb(208, 67,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor