

Converting Colors

XYZ(37.9995, 20.0516, 60.3487)

Have a look what the booklet for
XYZ(37.9995, 20.0516, 60.3487)
contains.

XYZ(38.0565, 20.0893, 60.2643)	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(38.0565, 20.0893,
60.2643)**

Conversions

Conversions Part 1

Format	Color
Hex	CF33CE
RGB	207, 51, 206
RGB Percent	81%, 20%, 81%
CMY	0.1882, 0.8000, 0.1922
CMYK	0.00, 0.75, 0.00, 0.19
HSL	300°, 62%, 51%
HSV	300°, 75%, 81%
XYZ	38.0565, 20.0893, 60.2643
YIQ	115.3140, 43.2210, 81.2770

Conversions

Conversions Part 2

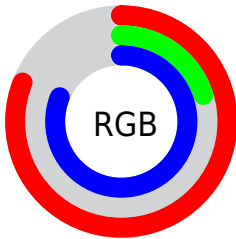
Format	Color
R _{YB}	207, 51, 206
Decimal	13579214
CIE _{Lab}	51.94, 75.69, -47.07
CIE _{LCh}	52, 89.133, 328.121
Yxy	20.0893, 0.3214, 0.1697
Android (android.graphics.Color)	4291769294 (0xFFCF33CE)
YUV	115.3140, 44.7082, 80.4086
Hunter-Lab	44.8211, 73.1231, -48.3437

Details

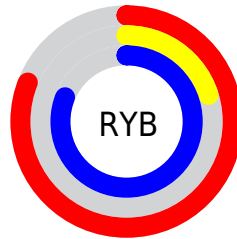
The XYZ color **38.0565, 20.0893, 60.2643** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **24.2988, 45.5783, 10.7667**, and the grayscale version is **16.2517, 17.0981, 18.6198**.

A 20% lighter version of the original color is **65.3073, 40.5146, 98.9858**, and **17.7987, 8.5303, 29.9866** is the 20% darker color. If you saturate the color by 10%, you get **37.3291, 18.6596, 59.9424**, and if you desaturate by 10%, it is **39.1878, 22.3254, 60.7212**.

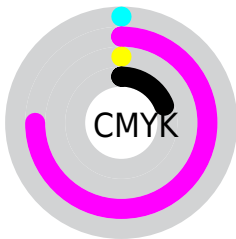
Distribution



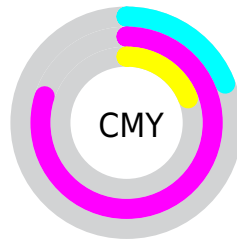
- Red (81%)
- Green (20%)
- Blue (81%)



- Red (81%)
- Yellow (20%)
- Blue (81%)



- Cyan (0%)
- Magenta (75%)
- Yellow (0%)
- Black (19%)




- Cyan (19%)
- Magenta (80%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0565, 20.0893, 60.2643 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 38.0565, 20.0893, 60.2643 by changing the saturation by 10% instead.

 38.0565, 20.0893,
60.2643


 38.0565, 20.0893,
60.2643


329.1389,
252.3981, 443.4029


 26.2040, 12.4600,
43.2050


 71.4981, 43.5669,
106.7601


 17.1098, 7.0578,
29.7134


 93.8178, 60.1839,
137.0337


 10.4086, 3.4982,
19.3710


 120.3573, 80.5656,
172.5491

 5.7350, 1.3971,
11.7591

 151.4820,
105.0963, 213.7249

 2.7238, 0.2146,
6.4593

 187.5571,
134.1606, 260.9797

 1.0094, 0.0000,
3.0531

228.9481,

 0.0000, 0.0000,

168.1427, 314.7319

1.1218

276.0202,
207.4271, 375.4002

■ 0.0000, 0.0000,
0.0000

■ 38.0565, 20.0893,
60.2643

■ 38.0565, 20.0893,
60.2643

■ 37.3291, 18.6596,
59.9424

■ 39.1878, 22.3254,
60.7212

■ 36.9451, 17.9175,
59.7349


■ 40.7680, 25.4601,
61.3276


■ 36.8334, 17.7059,
59.6608


■ 42.8389, 29.5758,
62.0977


■ 45.4365, 34.7452,
63.0434

■ 48.5938, 41.0338,
64.1757

 52.3409, 48.5022,
65.5048

 56.7059, 57.2062,
67.0398

 61.7150, 67.1983,
68.7896

 67.3928, 78.5280,
70.7624

Harmonies

Analogous

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



28.5476, 20.0893, 102.0825



38.0565, 20.0893, 60.2643



42.3596, 20.0893, 23.5528

Triad

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



38.0565, 20.0893, 60.2643



19.6718, 20.0893, 0.0324



7.4754, 20.0893, 54.8597

Complementary

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



38.0565, 20.0893, 60.2643



24.2988, 45.5783, 10.7667

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.



6.4317, 20.0893, 20.2767



38.0565, 20.0893, 60.2643



11.9989, 20.0893, 0.7646

Square

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



38.0565, 20.0893, 60.2643



29.8623, 20.0893, 0.9690



7.7856, 20.0893, 4.6804



11.2868, 20.0893, 97.5769

Rectangle

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



38.0565, 20.0893, 60.2643



40.9212, 20.0893, 9.7289



7.7856, 20.0893, 4.6804



6.8548, 20.0893, 41.3699

Sweetspot

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



38.0573, 20.0902, 60.2647



79.0484, 68.0937, 103.2676



13.8125, 7.5775, 59.7668



16.4854, 13.7096, 21.9487



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.



38.0573, 20.0902, 60.2647



59.4122, 29.1024, 95.8557



30.8794, 17.2191, 22.4667



12.3074, 12.0077, 14.8947



23.2078, 11.1560, 37.5962



1.2987, 0.6242, 2.1079

Inverse Universe

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



38.0573, 20.0902, 60.2647



59.4122, 29.1024, 95.8557



27.6416, 46.9154, 28.3693



12.3074, 12.0077, 14.8947



23.2078, 11.1560, 37.5962



1.2987, 0.6242, 2.1079

Previews

White Background



This preview shows how the XYZ color 38.0565, 20.0893, 60.2643 looks on a white background.

Color Contrast Check

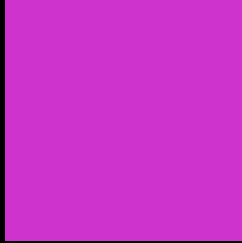
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.0565, 20.0893, 60.2643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

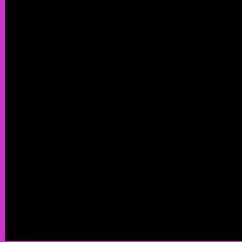
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.0565, 20.0893, 60.2643

Background



This preview shows how black text looks on a background with the XYZ color 38.0565, 20.0893, 60.2643.



This preview shows how white text looks on a background with the XYZ color 38.0565, 20.0893,

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

38.0565, 20.0893, 60.2643

Protanopia

24.7665, 20.6529, 97.2888

Deuteranopia

20.8957, 20.3339, 54.4533



Tritanopia

28.4514, 19.9661, 13.9096

Trichromacy



Original Color

38.0565, 20.0893, 60.2643



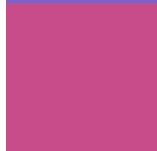
Protanomaly

22.2799, 15.7947, 81.9952



Deuteranomaly

23.7894, 17.4187, 56.1411



Tritanomaly

30.6530, 19.1171, 25.7413

Monochromacy



Original Color

38.0565, 20.0893, 60.2643



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

21.3852, 16.0883, 29.9952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0565, 20.0893, 60.2643 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(207, 51, 206)` looks like.

```
.text, #text, p{  
    color:rgb(207, 51, 206)  
}
```

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(207, 51, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 51, 206) }
```

Border

The CSS property to change the border of an element to XYZ 38.0565, 20.0893, 60.2643 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(207, 51, 206) }
```


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

```
.border{ border-color:rgb(207, 51, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 51, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 51, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 51, 206);  
box-shadow:4px 4px 4px 4px rgb(207, 51,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0565, 20.0893, 60.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 51, 206) }
```

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

```
.background{ background-color: rgb(207, 51,  
206) }
```

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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