

Converting Colors

XYZ(40.1290, 19.5255, 81.0370)

Have a look what the booklet for
XYZ(40.1290, 19.5255, 81.0370)
contains.

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Color

**XYZ(40.1609, 19.5365,
81.0111)**

Conversions

Conversions Part 1

Format	Color
Hex	CB1BEC
RGB	203, 27, 236
RGB Percent	80%, 11%, 93%
CMY	0.2039, 0.8941, 0.0745
CMYK	0.14, 0.89, 0.00, 0.07
HSL	291°, 85%, 52%
HSV	291°, 89%, 93%
XYZ	40.1609, 19.5365, 81.0111
YIQ	103.4500, 37.8070, 102.3110

Conversions

Conversions Part 2

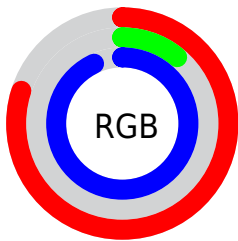
Format	Color
R_{YB}	203, 27, 236
Decimal	13310956
CIE _{Lab}	51.31, 85.07, -65.18
CIE _{LCh}	51, 107.169, 322.542
Yxy	19.5365, 0.2854, 0.1388
Android (android.graphics.Color)	4291501036 (0xFFC _{B1} BEC)
YUV	103.4500, 65.3471, 87.3054
Hunter-Lab	44.2001, 84.8376, -77.7282

Details

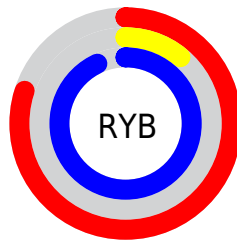
The XYZ color **40.1609, 19.5365, 81.0111** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **32.0575, 61.0312, 11.1281**, and the grayscale version is **12.8382, 13.5068, 14.7089**.

A 20% lighter version of the original color is **64.0414, 37.9827, 98.5638**, and **19.4644, 9.0943, 43.3773** is the 20% darker color. If you saturate the color by 10%, you get **38.8039, 18.3101, 80.8462**, and if you desaturate by 10%, it is **41.9636, 21.6162, 81.3178**.

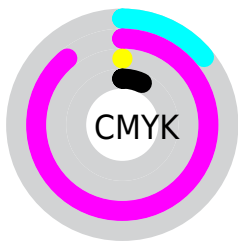
Distribution



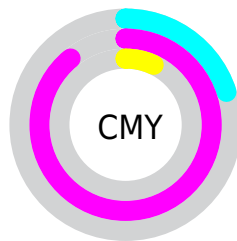
- Red (80%)
- Green (11%)
- Blue (93%)



- Red (80%)
- Yellow (11%)
- Blue (93%)



- Cyan (14%)
- Magenta (89%)
- Yellow (0%)
- Black (7%)





- Cyan (20%)
- Magenta (89%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1609, 19.5365, 81.0111 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 40.1609, 19.5365, 81.0111 by changing the saturation by 10% instead.


 40.1609, 19.5365,
81.0111


 40.1609, 19.5365,
81.0111

337.9241,
249.3947, 518.1302

 27.8488, 12.0586,
60.0197


 74.6912, 42.6387,
136.6106

 18.3516, 6.7836,
43.0091


 97.6402, 59.0318,
172.0557


 11.3039, 3.3271,
29.5608


 124.8655, 79.1654,
213.1558

 6.3404, 1.3048,
19.2562

 156.7324,
103.4239, 260.3295

 3.0958, 0.1449,
11.6769

 193.6064,
132.1917, 313.9952

 1.2046, 0.0000,
6.4042

235.8528,

 0.1100, 0.0000,

165.8531, 374.5715

3.0197

283.8369,
204.7927, 442.4770

■ 0.0000, 0.0000,
1.1047

■ 0.0000, 0.0000,
0.0000

■ 40.1609, 19.5365,
81.0111

■ 40.1609, 19.5365,
81.0111

■ 38.8039, 18.3101,
80.8462

■ 41.9636, 21.6162,
81.3178

■ 38.6241, 18.1624,
80.8272

■ 44.3113, 24.7503,
81.7990

■ 47.2748, 29.0794,
82.4784

■ 50.9135, 34.7219,
83.3758

■ 55.2794, 41.7818,
84.5084

■ 60.4196, 50.3526,
85.8918

■ 66.3768, 60.5199,
87.5403

■ 73.1907, 72.3627,
89.4670

■ 80.8983, 85.9548,
91.6843

Harmonies

Analogous

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



27.6273, 19.5365, 135.3236



40.1609, 19.5365, 81.0111



47.3575, 19.5365, 29.8746

Triad

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



40.1609, 19.5365, 81.0111



21.3698, 19.5365, 0.0000



5.3102, 19.5365, 52.8065

Complementary

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



40.1609, 19.5365, 81.0111



32.0575, 61.0312, 11.1281

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.



4.7262, 19.5365, 14.5030



40.1609, 19.5365, 81.0111



11.7446, 19.5365, 0.0000

Square

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



40.1609, 19.5365, 81.0111



34.1055, 19.5365, 0.2372



6.5560, 19.5365, 1.7919



8.6551, 19.5365, 110.7241

Rectangle

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



40.1609, 19.5365, 81.0111



46.7683, 19.5365, 10.8692



6.5560, 19.5365, 1.7919



4.8546, 19.5365, 36.8075

Sweetspot

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



40.1618, 19.5373, 81.0115



72.9936, 61.6573, 102.6616



17.3067, 9.7173, 80.3207



15.1407, 12.3824, 21.8420



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.



40.1618, 19.5373, 81.0115



45.9973, 21.6274, 96.3579



41.8983, 21.3828, 38.1576



15.4677, 15.1864, 19.0383



21.3815, 10.0585, 44.5575



1.7417, 0.8222, 3.5018

Inverse Universe

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



35.8002, 18.9436, 6.0456



41.6275, 21.4150, 3.9705



32.5903, 61.0813, 21.3017



15.1624, 15.0928, 16.1407



19.2845, 9.9165, 2.0334



1.5436, 0.7904, 0.3140

Previews

White Background



This preview shows how the XYZ color 40.1609, 19.5365, 81.0111 looks on a white background.

Color Contrast Check

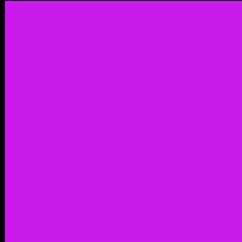
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.1609, 19.5365, 81.0111 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 40.1609, 19.5365, 81.0111

Background



This preview shows how black text looks on a background with the XYZ color 40.1609, 19.5365, 81.0111.



This preview shows how white text looks on a background with the XYZ color 40.1609, 19.5365,

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

40.1609, 19.5365, 81.0111

Protanopia

23.8521, 20.0958, 93.0642

Deuteranopia

20.5184, 19.9412, 71.8748



Tritanopia

26.4981, 19.4580, 14.9295

Trichromacy



Original Color

40.1609, 19.5365, 81.0111



Protanomaly

22.6333, 14.7040, 88.0315



Deuteranomaly

20.2615, 14.1467, 74.3357



Tritanomaly

29.5143, 17.8212, 31.1624

Monochromacy



Original Color

40.1609, 19.5365, 81.0111



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

18.7495, 12.7555, 30.7520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1609, 19.5365, 81.0111 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(203, 27, 236)` looks like.

```
.text, #text, p{  
    color:rgb(203, 27, 236)  
}
```

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(203, 27, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 27, 236) }
```

Border

The CSS property to change the border of an element to XYZ 40.1609, 19.5365, 81.0111 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(203, 27, 236) }
```


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

```
.border{ border-color:rgb(203, 27, 236) }
```

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

Here you see how a box with a 4 pixel rgb(203, 27, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 27, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 27, 236);  
box-shadow:4px 4px 4px 4px rgb(203, 27,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1609, 19.5365, 81.0111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 27, 236) }
```

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

```
.background{ background-color: rgb(203, 27,  
236) }
```

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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