

Converting Colors

XYZ(41.4271, 20.2374, 64.3421)

Have a look what the booklet for
XYZ(41.4271, 20.2374, 64.3421)
contains.

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Color

**XYZ(41.3945, 20.2058,
64.6692)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0FD5
RGB	219, 15, 213
RGB Percent	86%, 6%, 84%
CMY	0.1412, 0.9411, 0.1647
CMYK	0.00, 0.93, 0.03, 0.14
HSL	302°, 87%, 46%
HSV	302°, 93%, 86%
XYZ	41.3945, 20.2058, 64.6692
YIQ	98.5680, 58.0260, 104.8260

Conversions

Conversions Part 2

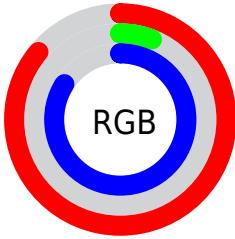
Format	Color
RYB	219, 15, 213
Decimal	14356437
CIELab	52.07, 85.60, -50.76
CIElCh	52, 99.514, 329.334
Yxy	20.2058, 0.3278, 0.1600
Android (android.graphics.Color)	4292546517 (0xFFDB0FD5)
YUV	98.5680, 56.4150, 105.6189
Hunter-Lab	44.9509, 85.7137, -53.8328

Details

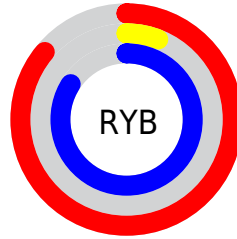
The XYZ color **41.3945, 20.2058, 64.6692** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **25.6649, 50.8198, 9.1672**, and the grayscale version is **11.6081, 12.2126, 13.2995**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **20.3839, 9.8052, 32.7165** is the 20% darker color. If you saturate the color by 10%, you get **41.1681, 19.8420, 64.3174**, and if you desaturate by 10%, it is **41.9653, 21.2157, 65.2639**.

Distribution



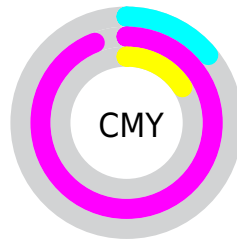
- Red (86%)
- Green (6%)
- Blue (84%)



- Red (86%)
- Yellow (6%)
- Blue (84%)



- Cyan (0%)
- Magenta (93%)
- Yellow (3%)
- Black (14%)





- Cyan (14%)
- Magenta (94%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3945, 20.2058, 64.6692 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 41.3945, 20.2058, 64.6692 by changing the saturation by 10% instead.

 41.3945, 20.2058,
64.6692


 41.3945, 20.2058,
64.6692

343.0012,
253.0271, 459.8759


 28.8165, 12.5447,
46.7433


 76.5533, 43.7620,
113.1829

 19.0856, 7.1158,
32.4798


 99.8649, 60.4258,
144.6076


 11.8365, 3.5346,
21.4604


 127.4850, 80.8594,
181.3691

 6.7039, 1.4168,
13.2665

 159.7790,
105.4471, 223.8858

 3.3223, 0.2291,
7.4794

 197.1122,
134.5734, 272.5763

 1.3264, 0.0000,
3.6807

 239.8501,

 0.2028, 0.0000,

168.6225, 327.8592

1.4519

288.3580,
207.9789, 390.1528

■ 0.0000, 0.0000,
0.1817

■ 0.0000, 0.0000,
0.0000

■ 41.3945, 20.2058,
64.6692

■ 41.3945, 20.2058,
64.6692

■ 41.1681, 19.8420,
64.3174

■ 41.9653, 21.2157,
65.2639

■ 42.9434, 23.0401,
65.9959

■ 44.3931, 25.8073,
66.8866

■ 46.3670, 29.6225,
67.9537

■ 48.9109, 34.5770,
69.2124

■ 52.0655, 40.7524,
70.6763

■ 55.8676, 48.2224,
72.3577

■ 60.3515, 57.0553,
74.2678

■ 65.5486, 67.3143,
76.4174

Harmonies

Analogous

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



30.4573, 20.2058, 115.7429



41.3945, 20.2058, 64.6692



46.1215, 20.2058, 22.6576

Triad

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



41.3945, 20.2058, 64.6692



19.4330, 20.2058, 0.0000



6.7099, 20.2058, 62.3846

Complementary

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



41.3945, 20.2058, 64.6692



25.6649, 50.8198, 9.1672

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.



5.5427, 20.2058, 21.3566



41.3945, 20.2058, 64.6692



11.1342, 20.2058, 0.2111

Square

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



41.3945, 20.2058, 64.6692



30.9954, 20.2058, 0.2920



6.8232, 20.2058, 4.0215



10.8629, 20.2058, 113.7863

Rectangle

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



41.3945, 20.2058, 64.6692



44.1756, 20.2058, 8.1868



6.8232, 20.2058, 4.0215



6.0374, 20.2058, 46.2178

Sweetspot

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



41.3953, 20.2068, 64.6696



76.0111, 62.4605, 100.8944



13.2150, 5.5896, 67.4012



15.7894, 12.4266, 21.3811



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.



41.3953, 20.2068, 64.6696



58.1055, 28.0062, 90.7423



32.4003, 16.6088, 17.3026



13.5970, 13.2679, 16.4049



24.4179, 11.7682, 38.1763



1.5872, 0.7645, 2.5013

Inverse Universe

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



41.3953, 20.2068, 64.6696



58.1055, 28.0062, 90.7423



28.9446, 52.1316, 26.4378



13.5970, 13.2679, 16.4049



24.4179, 11.7682, 38.1763



1.5872, 0.7645, 2.5013

Previews

White Background



This preview shows how the XYZ color 41.3945, 20.2058, 64.6692 looks on a white background.

Color Contrast Check

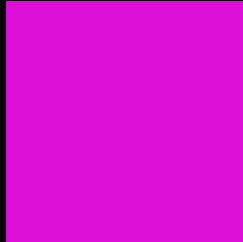
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3945, 20.2058, 64.6692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

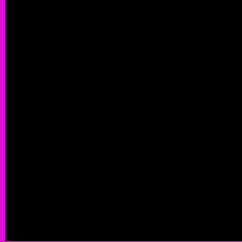
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.3945, 20.2058, 64.6692

Background



This preview shows how black text looks on a background with the XYZ color 41.3945, 20.2058, 64.6692.



This preview shows how white text looks on a background with the XYZ color 41.3945, 20.2058,

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

41.3945, 20.2058, 64.6692

Protanopia

25.0534, 20.9803, 97.3369

Deuteranopia

21.2386, 20.6312, 57.5064



Tritanopia

30.4694, 20.2006, 11.9661

Trichromacy



Original Color

41.3945, 20.2058, 64.6692



Protanomaly

22.7700, 14.4006, 84.0176



Deuteranomaly

23.7837, 15.8103, 59.5558



Tritanomaly

32.8011, 18.7261, 24.8074

Monochromacy



Original Color

41.3945, 20.2058, 64.6692



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

18.1284, 11.8673, 26.1461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3945, 20.2058, 64.6692 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(219, 15, 213)` looks like.

```
.text, #text, p{  
    color:rgb(219, 15, 213)  
}
```

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(219, 15, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 15, 213) }
```

Border

The CSS property to change the border of an element to XYZ 41.3945, 20.2058, 64.6692 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(219, 15, 213) }
```


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

```
.border{ border-color:rgb(219, 15, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 15, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 15, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 15, 213);  
box-shadow:4px 4px 4px 4px rgb(219, 15,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3945, 20.2058, 64.6692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 15, 213) }
```

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

```
.background{ background-color: rgb(219, 15,  
213) }
```

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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