

Converting Colors

XYZ(41.1997, 20.5670, 76.2939)

Have a look what the booklet for
XYZ(41.1997, 20.5670, 76.2939)
contains.

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Color

**XYZ(41.2390, 20.5916,
76.6640)**

Conversions

Conversions Part 1

Format	Color
Hex	D125E6
RGB	209, 37, 230
RGB Percent	82%, 15%, 90%
CMY	0.1804, 0.8549, 0.0980
CMYK	0.09, 0.84, 0.00, 0.10
HSL	293°, 79%, 52%
HSV	293°, 84%, 90%
XYZ	41.2390, 20.5916, 76.6640
YIQ	110.4300, 40.5590, 96.4870

Conversions

Conversions Part 2

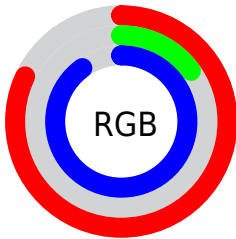
Format	Color
RYB	209, 37, 230
Decimal	13706726
CIELab	52.50, 83.27, -59.82
CIELCh	52, 102.529, 324.304
Yxy	20.5916, 0.2978, 0.1487
Android (android.graphics.Color)	4291896806 (0xFFD125E6)
YUV	110.4300, 58.9480, 86.4459
Hunter-Lab	45.3780, 82.8074, -68.4032

Details

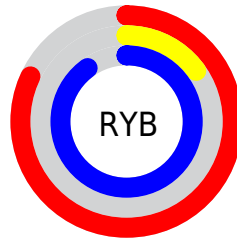
The XYZ color **41.2390, 20.5916, 76.6640** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **30.3764, 57.6273, 11.2732**, and the grayscale version is **14.7738, 15.5432, 16.9266**.

A 20% lighter version of the original color is **64.5477, 38.9954, 98.7326**, and **20.1205, 9.5012, 40.3086** is the 20% darker color. If you saturate the color by 10%, you get **40.0326, 19.2209, 76.4633**, and if you desaturate by 10%, it is **42.9081, 22.8694, 77.0160**.

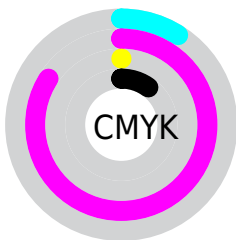
Distribution



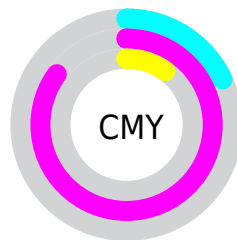
- Red (82%)
- Green (15%)
- Blue (90%)



- Red (82%)
- Yellow (15%)
- Blue (90%)



- Cyan (9%)
- Magenta (84%)
- Yellow (0%)
- Black (10%)





- Cyan (18%)
- Magenta (85%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2390, 20.5916, 76.6640 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 41.2390, 20.5916, 76.6640 by changing the saturation by 10% instead.


 41.2390, 20.5916,
76.6640


 41.2390, 20.5916,
76.6640


342.3641,
255.1000, 503.0249


 28.6944, 12.8258,
56.4672

 76.3190, 44.4068,
130.4338

 18.9929, 7.3087,
40.1711

 99.5851, 61.2251,
164.8438


 11.7691, 3.6559,
27.3572


 127.1557, 81.8296,
204.8287

 6.6577, 1.4830,
17.6069

 159.3962,
106.6048, 250.8070

 3.2934, 0.2767,
10.5016

 196.6719,
135.9350, 303.1972

 1.3108, 0.0000,
5.6229

239.3482,

 0.1912, 0.0000,

170.2047, 362.4179

2.5521

287.7905,
209.7983, 428.8876

■ 0.0000, 0.0000,
0.8676

■ 0.0000, 0.0000,
0.0000

■ 41.2390, 20.5916,
76.6640

■ 41.2390, 20.5916,
76.6640

■ 40.0326, 19.2209,
76.4633

■ 42.9081, 22.8694,
77.0160

■ 39.4530, 18.6888,
76.3912

■ 45.1106, 26.1983,
77.5425

■ 47.9077, 30.6998,
78.2639

■ 51.3515, 36.4781,
79.1977

■ 55.4885, 43.6258,
80.3593

■ 60.3606, 52.2268,
81.7627

■ 66.0065, 62.3586,
83.4208

■ 72.4621, 74.0928,
85.3454

■ 79.7612, 87.4967,
87.5480

Harmonies

Analogous

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



29.2201, 20.5916, 128.8483



41.2390, 20.5916, 76.6640



47.6781, 20.5916, 28.7295

Triad

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



41.2390, 20.5916, 76.6640



21.6657, 20.5916, 0.0000



6.2501, 20.5916, 56.0646

Complementary

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



41.2390, 20.5916, 76.6640



30.3764, 57.6273, 11.2732

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.



5.4863, 20.5916, 17.1106



41.2390, 20.5916, 76.6640



12.3221, 20.5916, 0.0000

Square

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



41.2390, 20.5916, 76.6640



34.0415, 20.5916, 0.5068



7.2439, 20.5916, 2.6941



9.9227, 20.5916, 111.1354

Rectangle

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



41.2390, 20.5916, 76.6640



46.7223, 20.5916, 10.8667



7.2439, 20.5916, 2.6941



5.7171, 20.5916, 40.1639

Sweetspot

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



41.2399, 20.5925, 76.6644



75.4693, 64.5588, 103.0912



16.6373, 9.2888, 75.7793



15.6735, 12.9678, 21.9269



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.



41.2399, 20.5925, 76.6644



49.8089, 23.5923, 96.5363



39.2976, 20.5478, 33.3565



14.8325, 14.5314, 18.1674



22.3998, 10.6134, 43.2512



1.6997, 0.8072, 3.1982

Inverse Universe

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



34.0590, 18.4523, 5.7705



41.4466, 21.3426, 3.0178



31.9289, 58.1348, 24.5741



14.4404, 14.3934, 15.2537



18.5962, 9.5727, 1.5027



1.3956, 0.7160, 0.2240

Previews

White Background



This preview shows how the XYZ color 41.2390, 20.5916, 76.6640 looks on a white background.

Color Contrast Check

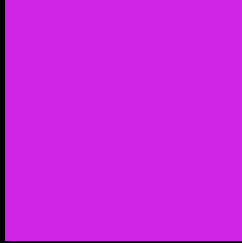
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.2390, 20.5916, 76.6640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

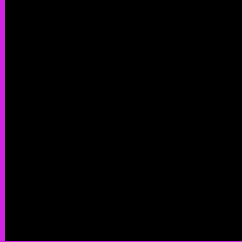
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.2390, 20.5916, 76.6640

Background



This preview shows how black text looks on a background with the XYZ color 41.2390, 20.5916, 76.6640.



This preview shows how white text looks on a background with the XYZ color 41.2390, 20.5916,

76.6640.

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

41.2390, 20.5916, 76.6640

Protanopia

25.1759, 21.0435, 97.3426

Deuteranopia

21.6351, 20.9728, 68.5535



Tritanopia

28.4828, 20.4812, 15.0224

Trichromacy



Original Color

41.2390, 20.5916, 76.6640



Protanomaly

24.4105, 16.0900, 89.0079



Deuteranomaly

23.6179, 16.5943, 71.0655



Tritanomaly

31.4268, 19.2096, 30.4852

Monochromacy



Original Color

41.2390, 20.5916, 76.6640



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

20.7801, 14.6306, 32.3006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2390, 20.5916, 76.6640 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(209, 37, 230)` looks like.

```
.text, #text, p{  
    color:rgb(209, 37, 230)  
}
```

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(209, 37, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 37, 230) }
```

Border

The CSS property to change the border of an element to XYZ 41.2390, 20.5916, 76.6640 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(209, 37, 230) }
```


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

```
.border{ border-color:rgb(209, 37, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 37, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 37, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 37, 230);  
box-shadow:4px 4px 4px 4px rgb(209, 37,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2390, 20.5916, 76.6640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 37, 230) }
```

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

```
.background{ background-color: rgb(209, 37,  
230) }
```

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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