

Converting Colors

XYZ(41.2094, 21.0462, 66.3023)

Have a look what the booklet for
XYZ(41.2094, 21.0462, 66.3023)
contains.

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Color

**XYZ(41.1180, 21.0093,
66.1780)**

Conversions

Conversions Part 1

Format	Color
Hex	D72AD7
RGB	215, 42, 215
RGB Percent	84%, 16%, 84%
CMY	0.1569, 0.8353, 0.1569
CMYK	0.00, 0.80, 0.00, 0.16
HSL	300°, 68%, 50%
HSV	300°, 80%, 84%
XYZ	41.1180, 21.0093, 66.1780
YIQ	113.4490, 47.5750, 90.4790

Conversions

Conversions Part 2

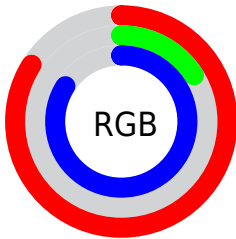
Format	Color
R _Y B	215, 42, 215
Decimal	14101207
CIE Lab	52.96, 80.91, -50.52
CIE LCh	53, 95.389, 328.022
Yxy	21.0093, 0.3205, 0.1637
Android (android.graphics.Color)	4292291287 (0xFFD72AD7)
YUV	113.4490, 50.0646, 89.0602
Hunter-Lab	45.8359, 79.9141, -53.5179

Details

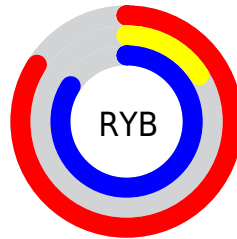
The XYZ color **41.1180, 21.0093, 66.1780** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **25.6742, 49.2612, 10.3468**, and the grayscale version is **15.6771, 16.4935, 17.9614**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **19.9683, 9.5711, 33.5959** is the 20% darker color. If you saturate the color by 10%, you get **40.5497, 19.8721, 65.9887**, and if you desaturate by 10%, it is **42.0964, 22.9655, 66.5044**.

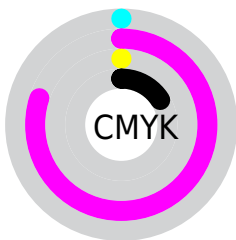
Distribution



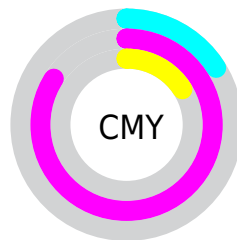
- Red (84%)
- Green (16%)
- Blue (84%)



- Red (84%)
- Yellow (16%)
- Blue (84%)



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1180, 21.0093, 66.1780 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 41.1180, 21.0093, 66.1780 by changing the saturation by 10% instead.


 41.1180, 21.0093,
66.1780


 41.1180, 21.0093,
66.1780


341.8677,
257.3279, 465.4348

 28.5994, 13.1308,
47.9595


 76.1366, 45.1030,
115.3712

 18.9207, 7.5187,
33.4351


 99.3672, 62.0870,
147.1830


 11.7167, 3.7885,
22.1861


 126.8993, 82.8750,
184.3630

 6.6219, 1.5560,
13.7941

 159.0980,
107.8513, 227.3297

 3.2710, 0.3277,
7.8405

 196.3289,
137.4003, 276.5018

 1.2986, 0.0000,
3.9067

238.9573,

 0.1822, 0.0000,

171.9065, 332.2976

1.5743

287.3484,
211.7543, 395.1357

■ 0.0000, 0.0000,
0.2724

■ 0.0000, 0.0000,
0.0000

■ 41.1180, 21.0093,
66.1780

■ 41.1180, 21.0093,
66.1780

■ 40.5497, 19.8721,
65.9887

■ 42.0964, 22.9655,
66.5044

■ 40.2905, 19.3536,
65.9022

■ 43.5399, 25.8523,
66.9856

■ 45.4974, 29.7673,
67.6381

■ 48.0112, 34.7949,
68.4761

■ 51.1191, 41.0107,
69.5122

■ 54.8557, 48.4838,
70.7578

■ 59.2528, 57.2780,
72.2235

■ 64.3401, 67.4527,
73.9194

■ 70.1457, 79.0638,
75.8547

Harmonies

Analogous

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



30.4308, 21.0093, 114.0284



41.1180, 21.0093, 66.1780



46.0029, 21.0093, 24.8292

Triad

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



41.1180, 21.0093, 66.1780



20.6397, 21.0093, 0.0000



7.3515, 21.0093, 59.7170

Complementary

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



41.1180, 21.0093, 66.1780



25.6742, 49.2612, 10.3468

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.



6.2588, 21.0093, 21.0271



41.1180, 21.0093, 66.1780



12.2301, 21.0093, 0.4966

Square

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



41.1180, 21.0093, 66.1780



31.9785, 21.0093, 0.7269



7.6977, 21.0093, 4.3514



11.4197, 21.0093, 108.5718

Rectangle

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



41.1180, 21.0093, 66.1780



44.3967, 21.0093, 9.7199



7.6977, 21.0093, 4.3514



6.6986, 21.0093, 44.4872

Sweetspot

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



41.1188, 21.0103, 66.1784



78.5373, 66.9746, 103.3955



14.0495, 7.0555, 64.9122



16.3911, 13.4971, 21.9912



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.



41.1188, 21.0103, 66.1784



59.3728, 28.6460, 97.0066



32.7827, 17.6758, 22.2811



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4169



1.4535, 0.6982, 2.3774

Inverse Universe

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



41.1188, 21.0103, 66.1784



59.3728, 28.6460, 97.0066



29.1857, 50.6659, 28.8384



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4169



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 41.1180, 21.0093, 66.1780 looks on a white background.

Color Contrast Check

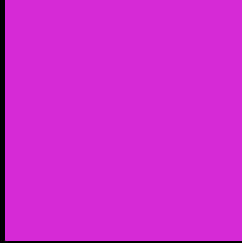
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.1180, 21.0093, 66.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

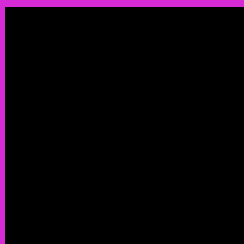
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.1180, 21.0093, 66.1780

Background



This preview shows how black text looks on a background with the XYZ color 41.1180, 21.0093, 66.1780.

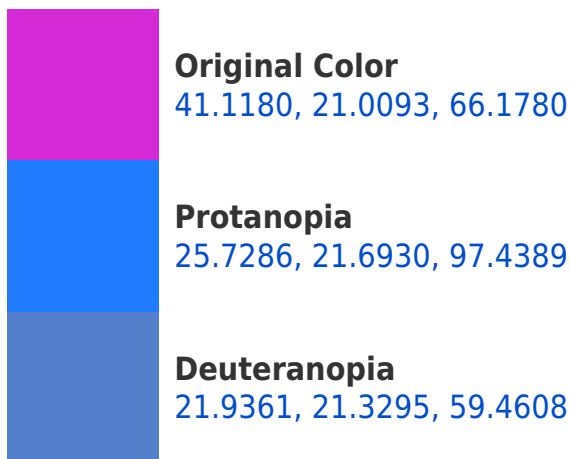


This preview shows how white text looks on a background with the XYZ color 41.1180, 21.0093,

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





Tritanopia

30.2559, 20.9018, 13.7491

Trichromacy



Original Color

41.1180, 21.0093, 66.1780



Protanomaly

24.8765, 16.9493, 84.3985



Deuteranomaly

24.8054, 17.6960, 61.1398



Tritanomaly

32.8483, 19.9239, 26.9253

Monochromacy



Original Color

41.1180, 21.0093, 66.1780



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

21.4909, 15.5024, 30.7137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1180, 21.0093, 66.1780 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(215, 42, 215)` looks like.

```
.text, #text, p{  
    color:rgb(215, 42, 215)  
}
```

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(215, 42, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 42, 215) }
```

Border

The CSS property to change the border of an element to XYZ 41.1180, 21.0093, 66.1780 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(215, 42, 215) }
```


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

```
.border{ border-color:rgb(215, 42, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 42, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 42, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 42, 215);  
box-shadow:4px 4px 4px 4px rgb(215, 42,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1180, 21.0093, 66.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 42, 215) }
```

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

```
.background{ background-color: rgb(215, 42,  
215) }
```

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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