

Converting Colors

XYZ(42.1729, 21.8477, 65.8446)

Have a look what the booklet for
XYZ(42.1729, 21.8477, 65.8446)
contains.

XYZ(42.0676, 21.7935, 65.6077)	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(42.0676, 21.7935,
65.6077)**

Conversions

Conversions Part 1

Format	Color
Hex	DA2FD6
RGB	218, 47, 214
RGB Percent	85%, 18%, 84%
CMY	0.1451, 0.8156, 0.1608
CMYK	0.00, 0.78, 0.02, 0.15
HSL	301°, 70%, 52%
HSV	301°, 78%, 85%
XYZ	42.0676, 21.7935, 65.6077
YIQ	117.1670, 48.3090, 88.1890

Conversions

Conversions Part 2

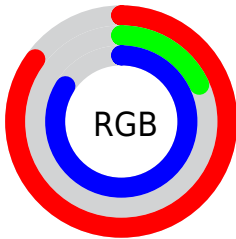
Format	Color
R _Y B	218, 47, 214
Decimal	14299094
CIE Lab	53.81, 80.15, -48.57
CIE LCh	54, 93.716, 328.785
Yxy	21.7935, 0.3249, 0.1683
Android (android.graphics.Color)	4292489174 (0xFFDA2FD6)
YUV	117.1670, 47.7387, 88.4305
Hunter-Lab	46.6835, 79.1544, -50.6461

Details

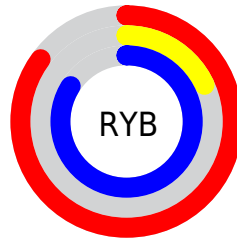
The XYZ color **42.0676, 21.7935, 65.6077** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **26.8423, 50.9873, 11.5600**, and the grayscale version is **16.8082, 17.6835, 19.2573**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **20.4696, 9.8396, 33.1681** is the 20% darker color. If you saturate the color by 10%, you get **41.3386, 20.4389, 65.0439**, and if you desaturate by 10%, it is **43.2333, 24.0197, 66.3183**.

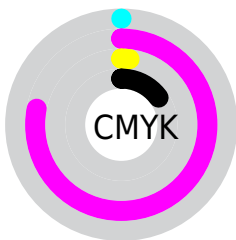
Distribution



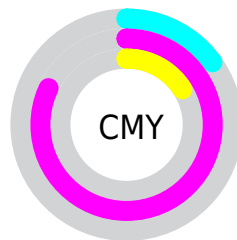
- Red (85%)
- Green (18%)
- Blue (84%)



- Red (85%)
- Yellow (18%)
- Blue (84%)



- Cyan (0%)
- Magenta (78%)
- Yellow (2%)
- Black (15%)





- Cyan (15%)
- Magenta (82%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0676, 21.7935, 65.6077 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 42.0676, 21.7935, 65.6077 by changing the saturation by 10% instead.


 42.0676, 21.7935,
65.6077

 42.0676, 21.7935,
65.6077


345.7499,
261.4660, 463.3384


 29.3456, 13.7052,
47.4995

 77.5664, 46.4045,
114.5447


 19.4880, 7.9159,
33.0736


 101.0740, 63.6960,
146.2107


 12.1295, 4.0412,
21.9112


 128.9074, 84.8240,
183.2329

 6.9048, 1.6966,
13.5940

 161.4320,
110.1729, 226.0301

 3.4484, 0.4215,
7.7033

 199.0132,
140.1272, 275.0207

 1.3951, 0.0000,
3.8207

242.0164,

 0.2527, 0.0000,

175.0712, 330.6233

1.5275

290.8068,
215.3894, 393.2563

■ 0.0000, 0.0000,
0.2383

■ 0.0000, 0.0000,
0.0000

■ 42.0676, 21.7935,
65.6077

■ 42.0676, 21.7935,
65.6077

■ 41.3386, 20.4389,
65.0439

■ 43.2333, 24.0197,
66.3183

■ 40.9586, 19.7828,
64.5973

■ 44.8901, 27.2287,
67.1936

■ 40.9115, 19.7047,
64.5317

■ 47.0875, 31.5183,
68.2500

■ 49.8680, 36.9740,
69.5018

■ 53.2701, 43.6725,
70.9618

■ 57.3289, 51.6840,
72.6418

■ 62.0769, 61.0736,
74.5524

■ 67.5445, 71.9020,
76.7040

■ 73.7601, 84.2261,
79.1059

Harmonies

Analogous

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



31.5016, 21.7935, 113.0057



42.0676, 21.7935, 65.6077



46.7155, 21.7935, 24.9240

Triad

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



42.0676, 21.7935, 65.6077



21.1271, 21.7935, 0.0000



7.9601, 21.7935, 61.6795

Complementary

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



42.0676, 21.7935, 65.6077



26.8423, 50.9873, 11.5600

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.



6.7637, 21.7935, 22.5736



42.0676, 21.7935, 65.6077



12.7221, 21.7935, 0.7435

Square

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



42.0676, 21.7935, 65.6077



32.4508, 21.7935, 0.8824



8.1789, 21.7935, 5.0355



12.2155, 21.7935, 109.7121

Rectangle

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



42.0676, 21.7935, 65.6077



44.9721, 21.7935, 9.9811



8.1789, 21.7935, 5.0355



7.2623, 21.7935, 46.4292

Sweetspot

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



42.0685, 21.7945, 65.6081



78.3076, 66.8827, 102.1860



14.9805, 7.7704, 67.0410



16.3347, 13.4745, 21.6940



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.



42.0685, 21.7945, 65.6081



58.5751, 28.4742, 92.3516



33.9370, 18.5419, 22.7884



13.6005, 13.2693, 16.4237



24.5158, 11.8074, 38.6919



1.5925, 0.7666, 2.5291

Inverse Universe

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



42.0685, 21.7945, 65.6081



58.5751, 28.4742, 92.3516



30.6428, 52.5075, 31.5730



13.6005, 13.2693, 16.4237



24.5158, 11.8074, 38.6919



1.5925, 0.7666, 2.5291

Previews

White Background



This preview shows how the XYZ color 42.0676, 21.7935, 65.6077 looks on a white background.

Color Contrast Check

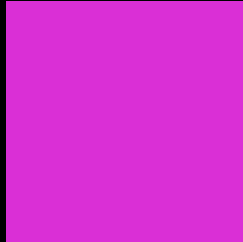
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0676, 21.7935, 65.6077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

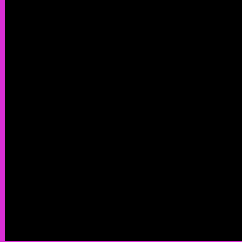
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0676, 21.7935, 65.6077

Background



This preview shows how black text looks on a background with the XYZ color 42.0676, 21.7935, 65.6077.



This preview shows how white text looks on a background with the XYZ color 42.0676, 21.7935,

65.6077.

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

42.0676, 21.7935, 65.6077

Protanopia

26.4223, 22.4227, 97.5431

Deuteranopia

22.7274, 22.1384, 58.9524



Tritanopia

31.3433, 21.7087, 14.3426

Trichromacy



Original Color

42.0676, 21.7935, 65.6077



Protanomaly

26.0663, 17.9665, 84.5321



Deuteranomaly

25.9189, 18.6983, 60.6356



Tritanomaly

33.9705, 20.7936, 27.4224

Monochromacy



Original Color

42.0676, 21.7935, 65.6077



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

22.8211, 16.7913, 31.7440

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0676, 21.7935, 65.6077 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(218, 47, 214)` looks like.

```
.text, #text, p{  
    color:rgb(218, 47, 214)  
}
```

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(218, 47, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 47, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.0676, 21.7935, 65.6077 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(218, 47, 214) }
```


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

```
.border{ border-color:rgb(218, 47, 214) }
```

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

Here you see how a box with a 4 pixel rgb(218, 47, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 47, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 47, 214);  
box-shadow:4px 4px 4px 4px rgb(218, 47,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0676, 21.7935, 65.6077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 47, 214) }
```

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

```
.background{ background-color: rgb(218, 47,  
214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor