

Converting Colors

XYZ(41.8256, 22.5927, 84.9286)

Have a look what the booklet for
XYZ(41.8256, 22.5927, 84.9286)
contains.

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Color

**XYZ(41.7638, 22.6052,
84.6001)**

Conversions

Conversions Part 1

Format	Color
Hex	C942F0
RGB	201, 66, 240
RGB Percent	79%, 26%, 94%
CMY	0.2118, 0.7412, 0.0588
CMYK	0.16, 0.72, 0.00, 0.06
HSL	287°, 85%, 60%
HSV	287°, 72%, 94%
XYZ	41.7638, 22.6052, 84.6001
YIQ	126.2010, 24.6060, 82.7340

Conversions

Conversions Part 2

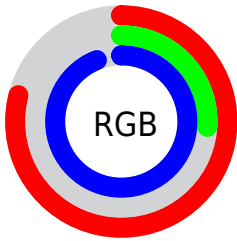
Format	Color
R _Y B	201, 66, 240
Decimal	13189872
CIE Lab	54.66, 75.54, -62.03
CIE LCh	55, 97.746, 320.608
Yxy	22.6052, 0.2804, 0.1517
Android (android.graphics.Color)	4291379952 (0xFFC942F0)
YUV	126.2010, 56.1029, 65.5987
Hunter-Lab	47.5449, 73.5920, -72.2175

Details

The XYZ color **41.7638, 22.6052, 84.6001** 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 **37.9697, 65.7173, 15.8385**, and the grayscale version is **19.7100, 20.7364, 22.5820**.

A 20% lighter version of the original color is **66.7509, 43.4017, 99.4670**, and **19.7026, 9.1697, 45.5312** is the 20% darker color. If you saturate the color by 10%, you get **39.2234, 19.6329, 84.1606**, and if you desaturate by 10%, it is **44.9445, 26.7809, 85.2388**.

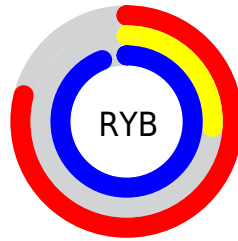
Distribution



Red (79%)

Green (26%)

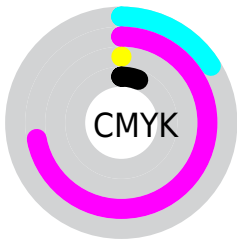
Blue (94%)



Red (79%)

Yellow (26%)

Blue (94%)

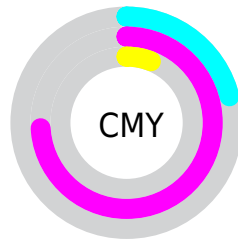


Cyan (16%)

Magenta (72%)

Yellow (0%)

Black (6%)



Cyan (21%)


Magenta (74%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7638, 22.6052, 84.6001 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 41.7638, 22.6052, 84.6001 by changing the saturation by 10% instead.


 41.7638, 22.6052,
84.6001

 41.7638, 22.6052,
84.6001


344.5112,
265.6907, 530.4139


 29.1067, 14.3023,
62.9628


 77.1094, 47.7442,
141.6835

 19.3062, 8.3312,
45.3703


 100.5287, 65.3491,
177.9667


 11.9971, 4.3076,
31.4041


 128.2660, 86.8235,
219.9688

 6.8139, 1.8471,
20.6457

 160.6867,
112.5517, 268.1086

 3.3913, 0.5163,
12.6766

 198.1562,
142.9181, 322.8044

 1.3639, 0.0000,
7.0781

241.0399,

 0.2303, 0.0000,

178.3071, 384.4749

3.4318

289.7031,
219.1032, 453.5385

■ 0.0000, 0.0000,
1.3191

■ 0.0000, 0.0000,
0.0774

■ 41.7638, 22.6052,
84.6001

■ 41.7638, 22.6052,
84.6001

■ 39.2234, 19.6329,
84.1606

■ 44.9445, 26.7809,
85.2388


■ 37.2409, 17.7027,
83.8926


■ 48.8286, 32.2885,
86.0972


■ 36.0287, 16.7566,
83.7738


■ 53.4743, 39.2428,
87.1946


■ 58.9329, 47.7454,
88.5481

 65.2508, 57.8885,
90.1729

 72.4710, 69.7573,
92.0833

 80.6333, 83.4308,
94.2924

 88.8089, 97.0508,
96.4904

 90.7033, 98.0274,
96.5790

Harmonies

Analogous

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



29.6193, 22.6052, 132.1272



41.7638, 22.6052, 84.6001



49.0367, 22.6052, 35.6022

Triad

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



41.7638, 22.6052, 84.6001



25.0412, 22.6052, 0.0000



7.3575, 22.6052, 51.9058

Complementary

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



41.7638, 22.6052, 84.6001



37.9697, 65.7173, 15.8385

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.



6.8572, 22.6052, 16.1559



41.7638, 22.6052, 84.6001



14.9965, 22.6052, 0.1927

Square

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



41.7638, 22.6052, 84.6001



37.4680, 22.6052, 1.3503



9.1366, 22.6052, 2.9107



10.8502, 22.6052, 104.6482

Rectangle

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



41.7638, 22.6052, 84.6001



48.9048, 22.6052, 15.2394



9.1366, 22.6052, 2.9107



6.8928, 22.6052, 37.2081

Sweetspot

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



41.7648, 22.6061, 84.6006



75.2148, 66.9736, 103.5707



23.1918, 17.8827, 84.6678



15.6528, 13.6113, 22.0522



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.



41.7648, 22.6061, 84.6006



43.8512, 21.3345, 96.4145



47.5767, 26.2995, 53.3734



16.0875, 15.8424, 19.9316



19.8424, 9.2346, 45.8645



1.7347, 0.8115, 3.8194

Inverse Universe

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



40.4338, 23.4423, 15.7590



43.3445, 22.9786, 10.3089



36.3545, 64.6577, 26.0114



15.9179, 15.8169, 17.1237



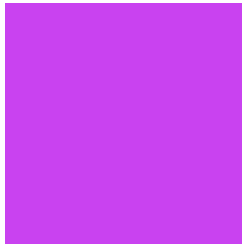
20.0743, 10.3022, 3.0421



1.7064, 0.8716, 0.4448

Previews

White Background



This preview shows how the XYZ color 41.7638, 22.6052, 84.6001 looks on a white background.

Color Contrast Check

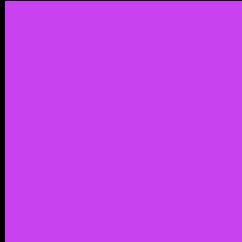
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7638, 22.6052, 84.6001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

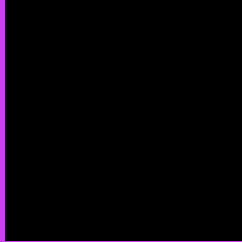
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7638, 22.6052, 84.6001

Background



This preview shows how black text looks on a background with the XYZ color 41.7638, 22.6052, 84.6001.



This preview shows how white text looks on a background with the XYZ color 41.7638, 22.6052,

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

41.7638, 22.6052, 84.6001

Protanopia

27.0046, 23.1026, 97.6437

Deuteranopia

23.8458, 23.1103, 77.3327



Tritanopia

28.4467, 22.4120, 19.6563

Trichromacy



Original Color

41.7638, 22.6052, 84.6001



Protanomaly

28.2508, 20.0694, 92.8273



Deuteranomaly

26.0023, 19.8237, 79.5467



Tritanomaly

31.6711, 21.3845, 36.6408

Monochromacy



Original Color

41.7638, 22.6052, 84.6001



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

25.0622, 19.4630, 38.9950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7638, 22.6052, 84.6001 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(201, 66, 240)` looks like.

```
.text, #text, p{  
    color:rgb(201, 66, 240)  
}
```

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(201, 66, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 66, 240) }
```

Border

The CSS property to change the border of an element to XYZ 41.7638, 22.6052, 84.6001 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(201, 66, 240) }
```


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

```
.border{ border-color:rgb(201, 66, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 66, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 66, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 66, 240);  
box-shadow:4px 4px 4px 4px rgb(201, 66,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7638, 22.6052, 84.6001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 66, 240) }
```

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

```
.background{ background-color: rgb(201, 66,  
240) }
```

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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