

Converting Colors

XYZ(41.7358, 20.3547, 54.4031)

Have a look what the booklet for
XYZ(41.7358, 20.3547, 54.4031)
contains.

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Color

**XYZ(41.7566, 20.3621,
54.5528)**

Conversions

Conversions Part 1

Format	Color
Hex	E300C5
RGB	227, 0, 197
RGB Percent	89%, 0%, 77%
CMY	0.1098, 0.9998, 0.2274
CMYK	0.00, 1.00, 0.13, 0.11
HSL	308°, 100%, 45%
HSV	308°, 100%, 89%
XYZ	41.7566, 20.3621, 54.5528
YIQ	90.3310, 72.0550, 109.3910

Conversions

Conversions Part 2

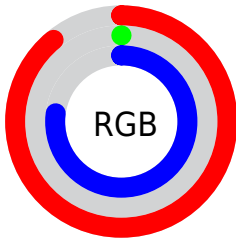
Format	Color
R_{YB}	227, 0, 197
Decimal	14876869
CIE _{Lab}	52.24, 85.95, -41.19
CIE _{LCh}	52, 95.304, 334.396
Yxy	20.3621, 0.3579, 0.1745
Android (android.graphics.Color)	4293066949 (0xFFE300C5)
YUV	90.3310, 52.5878, 119.8587
Hunter-Lab	45.1244, 86.2103, -40.0912

Details

The XYZ color **41.7566, 20.3621, 54.5528** is a dark color, and the websafe version is hex **FF00CC**. The color can be described as middle washed magenta. A complement of this color would be **27.7047, 55.0329, 10.3932**, and the grayscale version is **9.6719, 10.1756, 11.0812**.

A 20% lighter version of the original color is **63.4041, 36.9651, 97.5592**, and **20.8943, 10.1987, 26.8539** is the 20% darker color. If you saturate the color by 10%, you get **41.7563, 20.3620, 54.5499**, and if you desaturate by 10%, it is **42.4055, 21.1037, 56.4826**.

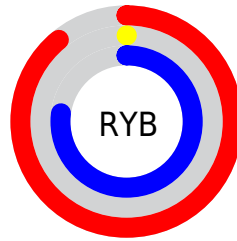
Distribution



Red (89%)

Green (0%)

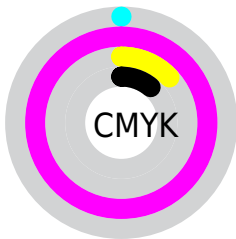
Blue (77%)



Red (89%)

Yellow (0%)

Blue (77%)

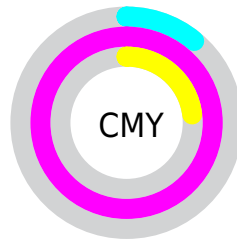


Cyan (0%)

Magenta (100%)

Yellow (13%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7566, 20.3621, 54.5528 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 41.7566, 20.3621, 54.5528 by changing the saturation by 10% instead.


 41.7566, 20.3621,
54.5528


 41.7566, 20.3621,
54.5528

344.4818,
253.8687, 421.4486


 29.1010, 12.6585,
38.6476


 77.0986, 44.0234,
98.3500


 19.3019, 7.1938,
26.1800


 100.5157, 60.7500,
127.0791


 11.9939, 3.5836,
16.7314


 128.2508, 81.2530,
160.9199

 6.8117, 1.4435,
9.8832

 160.6690,
105.9169, 200.2910

 3.3899, 0.2484,
5.2170

 198.1359,
135.1260, 245.6108

 1.3632, 0.0000,
2.3142

 241.0168,

 0.2297, 0.0000,

169.2647, 297.2980

0.7391

289.6769,
208.7175, 355.7711

■ 0.0000, 0.0000,
0.0000

■ 41.7566, 20.3621,
54.5528

■ 41.7566, 20.3621,
54.5528

■ 41.7563, 20.3620,
54.5499

■ 42.4055, 21.1037,
56.4826

■ 43.4138, 22.5534,
58.5660

■ 44.8953, 24.9385,
60.8412

■ 46.9152, 28.3894,
63.3303

■ 49.5285, 33.0158,
66.0517

■ 52.7831, 38.9135,
69.0216

■ 56.7221, 46.1689,
72.2546

■ 61.3850, 54.8605,
75.7639

■ 66.8080, 65.0608,
79.5618

Harmonies

Analogous

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



32.0436, 20.3621, 102.9556



41.7566, 20.3621, 54.5528



44.8206, 20.3621, 18.2928

Triad

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



41.7566, 20.3621, 54.5528



17.9473, 20.3621, 0.0000



7.6114, 20.3621, 68.6535

Complementary

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



41.7566, 20.3621, 54.5528



27.7047, 55.0329, 10.3932

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.



6.0042, 20.3621, 26.5616



41.7566, 20.3621, 54.5528



10.5533, 20.3621, 0.7995

Square

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



41.7566, 20.3621, 54.5528



28.6742, 20.3621, 0.2888



6.8634, 20.3621, 6.0877



12.3094, 20.3621, 114.8817

Rectangle

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



41.7566, 20.3621, 54.5528



42.0372, 20.3621, 6.5332



6.8634, 20.3621, 6.0877



6.7797, 20.3621, 52.6972

Sweetspot

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



41.7573, 20.3631, 54.5532



73.7244, 59.8859, 93.9700



14.3050, 5.7735, 73.0341



15.2921, 11.9161, 19.7227



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.



41.7573, 20.3631, 54.5532



54.3303, 26.4961, 70.8624



33.4013, 17.0207, 10.5506



14.9088, 14.5807, 17.7203



24.3835, 11.8876, 31.9780



1.8247, 0.8876, 2.4836

Inverse Universe

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



41.7573, 20.3631, 54.5532



54.3303, 26.4961, 70.8624



32.2034, 56.8323, 34.0830



14.9088, 14.5807, 17.7203



24.3835, 11.8876, 31.9780



1.8247, 0.8876, 2.4836

Previews

White Background



This preview shows how the XYZ color 41.7566, 20.3621, 54.5528 looks on a white background.

Color Contrast Check

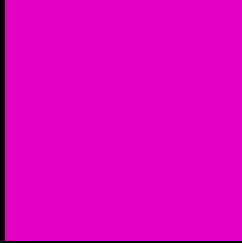
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7566, 20.3621, 54.5528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

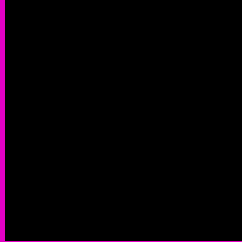
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.7566, 20.3621, 54.5528

Background



This preview shows how black text looks on a background with the XYZ color 41.7566, 20.3621, 54.5528.



This preview shows how white text looks on a background with the XYZ color 41.7566, 20.3621,

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

41.7566, 20.3621, 54.5528

Protanopia

25.4884, 21.3859, 97.3923

Deuteranopia

21.4574, 20.9367, 48.8092



Tritanopia

32.8627, 20.8097, 10.2673

Trichromacy



Original Color

41.7566, 20.3621, 54.5528



Protanomaly

22.8312, 14.0986, 79.3599



Deuteranomaly

24.0866, 15.6145, 49.8885



Tritanomaly

34.5975, 19.1086, 20.9336

Monochromacy



Original Color

41.7566, 20.3621, 54.5528



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.2408, 10.0867, 21.8598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7566, 20.3621, 54.5528 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(227, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 197)  
}
```

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(227, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 41.7566, 20.3621, 54.5528 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(227, 0, 197) }
```


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

```
.border{ border-color:rgb(227, 0, 197) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7566, 20.3621, 54.5528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 197) }
```

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

```
.background{ background-color: rgb(227, 0,  
197) }
```

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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