

Converting Colors

XYZ(41.8473, 20.3044, 59.2787)

Have a look what the booklet for
XYZ(41.8473, 20.3044, 59.2787)
contains.

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Color

**XYZ(41.7599, 20.2551,
59.4662)**

Conversions

Conversions Part 1

Format	Color
Hex	E000CD
RGB	224, 0, 205
RGB Percent	88%, 0%, 80%
CMY	0.1216, 0.9998, 0.1961
CMYK	0.00, 1.00, 0.08, 0.12
HSL	305°, 100%, 44%
HSV	305°, 100%, 88%
XYZ	41.7599, 20.2551, 59.4662
YIQ	90.3460, 67.6990, 111.2430

Conversions

Conversions Part 2

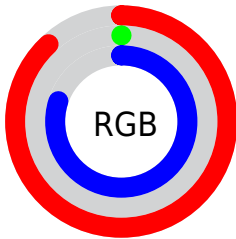
Format	Color
R_{YB}	224, 0, 205
Decimal	14680269
CIE _{Lab}	52.12, 86.47, -46.02
CIE _{LCh}	52, 97.957, 331.976
Yxy	20.2551, 0.3438, 0.1667
Android (android.graphics.Color)	4292870349 (0xFFE000CD)
YUV	90.3460, 56.5244, 117.2146
Hunter-Lab	45.0057, 86.8668, -46.8362

Details

The XYZ color **41.7599, 20.2551, 59.4662** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.7743, 53.3592, 9.5061**, and the grayscale version is **9.6674, 10.1708, 11.0761**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **20.8149, 10.0945, 29.7055** is the 20% darker color. If you saturate the color by 10%, you get **41.7598, 20.2551, 59.4643**, and if you desaturate by 10%, it is **42.2865, 20.9384, 60.7806**.

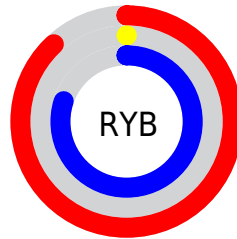
Distribution



Red (88%)

Green (0%)

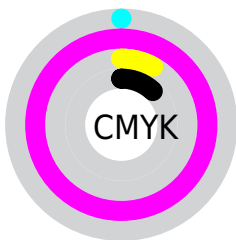
Blue (80%)



Red (88%)

Yellow (0%)

Blue (80%)

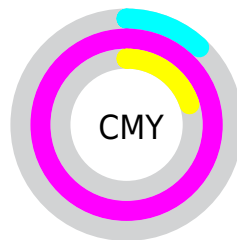


Cyan (0%)

Magenta (100%)

Yellow (8%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7599, 20.2551, 59.4662 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 41.7599, 20.2551, 59.4662 by changing the saturation by 10% instead.


 41.7599, 20.2551,
59.4662


 41.7599, 20.2551,
59.4662

344.4952,
253.2928, 440.3773

 29.1036, 12.5806,
42.5660


 77.1036, 43.8445,
105.5907


 19.3039, 7.1404,
29.2159


 100.5217, 60.5281,
135.6521


 11.9954, 3.5501,
18.9972


 128.2577, 80.9836,
170.9378

 6.8127, 1.4252,
11.4915

 160.6771,
105.5954, 211.8661

 3.3905, 0.2352,
6.2801

 198.1452,
134.7478, 258.8556

 1.3635, 0.0000,
2.9446

 241.0274,

 0.2300, 0.0000,

168.8252, 312.3250

1.0664

289.6889,
208.2121, 372.6927

■ 0.0000, 0.0000,
0.0000

■ 41.7599, 20.2551,
59.4662

■ 41.7599, 20.2551,
59.4662

■ 41.7598, 20.2551,
59.4643

■ 42.2865, 20.9384,
60.7806

■ 43.1571, 22.3056,
62.2234

■ 44.4827, 24.5785,
63.8316

■ 46.3264, 27.8831,
65.6265

■ 48.7412, 32.3253,
67.6257

■ 51.7736, 37.9983,
69.8447

■ 55.4653, 44.9852,
72.2975

■ 59.8543, 53.3621,
74.9968

■ 64.9757, 63.1994,
77.9544

Harmonies

Analogous

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



31.3634, 20.2551, 109.7841



41.7599, 20.2551, 59.4662



45.6406, 20.2551, 20.2063

Triad

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



41.7599, 20.2551, 59.4662



18.5953, 20.2551, 0.0000



7.0969, 20.2551, 66.0799

Complementary

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



41.7599, 20.2551, 59.4662



26.7743, 53.3592, 9.5061

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.



5.7026, 20.2551, 24.0118



41.7599, 20.2551, 59.4662



10.7452, 20.2551, 0.4737

Square

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



41.7599, 20.2551, 59.4662



29.7975, 20.2551, 0.2376



6.7608, 20.2551, 4.9606



11.5441, 20.2551, 115.4237

Rectangle

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



41.7599, 20.2551, 59.4662



43.2163, 20.2551, 7.1795



6.7608, 20.2551, 4.9606



6.3421, 20.2551, 49.8176

Sweetspot

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



41.7607, 20.2561, 59.4666



74.2826, 60.1091, 96.9093



13.7179, 5.5182, 70.8638



15.4275, 11.9702, 20.4357



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.



41.7607, 20.2561, 59.4666



56.0003, 27.1641, 79.6569



32.7328, 16.6450, 11.9265



14.2422, 13.9145, 17.0458



24.3282, 11.7983, 34.7237



1.7013, 0.8238, 2.4858

Inverse Universe

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



41.7607, 20.2561, 59.4666



56.0003, 27.1641, 79.6569



30.7317, 54.9422, 30.3457



14.2422, 13.9145, 17.0458



24.3282, 11.7983, 34.7237



1.7013, 0.8238, 2.4858

Previews

White Background



This preview shows how the XYZ color 41.7599, 20.2551, 59.4662 looks on a white background.

Color Contrast Check

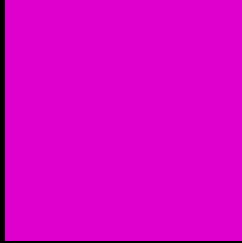
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.7599, 20.2551, 59.4662 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 41.7599, 20.2551, 59.4662

Background



This preview shows how black text looks on a background with the XYZ color 41.7599, 20.2551, 59.4662.



This preview shows how white text looks on a background with the XYZ color 41.7599, 20.2551,

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

41.7599, 20.2551, 59.4662

Protanopia

25.3862, 21.3333, 97.3875

Deuteranopia

21.4735, 20.8446, 53.3437



Tritanopia

31.7735, 20.5538, 11.0967

Trichromacy



Original Color

41.7599, 20.2551, 59.4662



Protanomaly

22.9402, 14.1046, 81.6341



Deuteranomaly

23.9312, 15.4313, 54.5405



Tritanomaly

33.5093, 18.6399, 22.6006

Monochromacy



Original Color

41.7599, 20.2551, 59.4662



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

16.2754, 10.0812, 22.9178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7599, 20.2551, 59.4662 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(224, 0, 205)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 205)  
}
```

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(224, 0, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 205) }
```

Border

The CSS property to change the border of an element to XYZ 41.7599, 20.2551, 59.4662 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(224, 0, 205) }
```


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

```
.border{ border-color:rgb(224, 0, 205) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7599, 20.2551, 59.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 205) }
```

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

```
.background{ background-color: rgb(224, 0,  
205) }
```

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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