

Converting Colors

XYZ(42.9519, 20.7359, 65.5900)

Have a look what the booklet for
XYZ(42.9519, 20.7359, 65.5900)
contains.

XYZ(42.8781, 20.7023, 65.3544)	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(42.8781, 20.7023,
65.3544)**

Conversions

Conversions Part 1

Format	Color
Hex	E000D6
RGB	224, 0, 214
RGB Percent	88%, 0%, 84%
CMY	0.1216, 0.9999, 0.1608
CMYK	0.00, 1.00, 0.04, 0.12
HSL	303°, 100%, 44%
HSV	303°, 100%, 88%
XYZ	42.8781, 20.7023, 65.3544
YIQ	91.3720, 64.8100, 114.0420

Conversions

Conversions Part 2

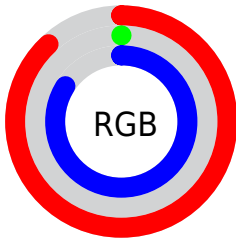
Format	Color
RYB	224, 0, 214
Decimal	14680278
CIELab	52.62, 87.69, -50.39
CIElCh	53, 101.138, 330.115
Yxy	20.7023, 0.3326, 0.1606
Android (android.graphics.Color)	4292870358 (0xFFE000D6)
YUV	91.3720, 60.4556, 116.3148
Hunter-Lab	45.4998, 88.5903, -53.3124

Details

The XYZ color **42.8781, 20.7023, 65.3544** 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 **26.7114, 53.3343, 9.1748**, and the grayscale version is **9.8893, 10.4043, 11.3303**.

A 20% lighter version of the original color is **63.5647, 37.0294, 98.4049**, and **21.4814, 10.3611, 33.2155** is the 20% darker color. If you saturate the color by 10%, you get **42.8784, 20.7025, 65.3537**, and if you desaturate by 10%, it is **43.3020, 21.3444, 66.1281**.

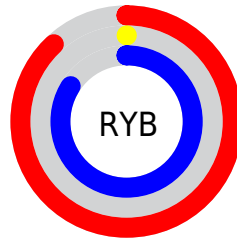
Distribution



Red (88%)

Green (0%)

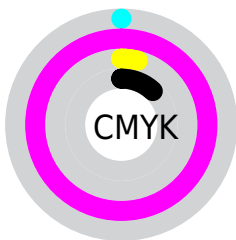
Blue (84%)



Red (88%)

Yellow (0%)

Blue (84%)

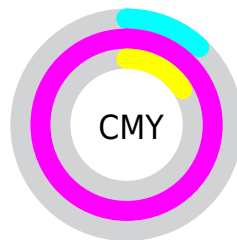


Cyan (0%)

Magenta (100%)

Yellow (4%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8781, 20.7023, 65.3544 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 42.8781, 20.7023, 65.3544 by changing the saturation by 10% instead.


 42.8781, 20.7023,
65.3544

 42.8781, 20.7023,
65.3544


349.0402,
255.6921, 462.4055


 29.9836, 12.9066,
47.2953

 78.7837, 44.5916,
114.1774


 19.9741, 7.3642,
32.9132


 102.5256, 61.4539,
145.7784


 12.4844, 3.6909,
21.7894


 130.6139, 82.1071,
182.7304

 7.1490, 1.5022,
13.5054

 163.4141,
106.9358, 225.4521

 3.6026, 0.2903,
7.6427

 201.2914,
136.3242, 274.3619

 1.4799, 0.0000,
3.7827

 244.6113,

 0.3121, 0.0000,

170.6569, 329.8783

1.5069

293.7391,
210.3180, 392.4200

■ 0.0000, 0.0000,
0.2231

■ 0.0000, 0.0000,
0.0000

■ 42.8781, 20.7023,
65.3544

■ 42.8781, 20.7023,
65.3544

■ 42.8784, 20.7025,
65.3537

■ 43.3020, 21.3444,
66.1281

■ 44.0677, 22.6695,
67.0194

■ 45.2865, 24.8994,
68.0657

■ 47.0213, 28.1602,
69.2878

■ 49.3252, 32.5578,
70.7035

■ 52.2446, 38.1852,
72.3284

■ 55.8212, 45.1258,
74.1762

■ 60.0930, 53.4556,
76.2596

■ 65.0953, 63.2448,
78.5905

Harmonies

Analogous

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



31.6408, 20.7023, 118.6343



42.8781, 20.7023, 65.3544



47.5495, 20.7023, 22.4259

Triad

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



42.8781, 20.7023, 65.3544



19.6366, 20.7023, 0.0000



6.8721, 20.7023, 65.7622

Complementary

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



42.8781, 20.7023, 65.3544



26.7114, 53.3343, 9.1748

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.



5.6076, 20.7023, 22.6570



42.8781, 20.7023, 65.3544



11.1878, 20.7023, 0.2266

Square

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



42.8781, 20.7023, 65.3544



31.5449, 20.7023, 0.2125



6.8521, 20.7023, 4.2645



11.2359, 20.7023, 118.9842

Rectangle

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



42.8781, 20.7023, 65.3544



45.3669, 20.7023, 7.9331



6.8521, 20.7023, 4.2645



6.1578, 20.7023, 48.8375

Sweetspot

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



42.8789, 20.7033, 65.3548



74.7649, 60.3021, 99.4491



13.5490, 5.4310, 70.8562



15.5448, 12.0172, 21.0535



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.



42.8789, 20.7033, 65.3548



57.5105, 27.7682, 87.6092



33.2681, 16.8589, 14.7447



14.2672, 13.9245, 17.1772



24.9698, 12.0549, 38.1021



1.7391, 0.8389, 2.6847

Inverse Universe

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



42.8789, 20.7033, 65.3548



57.5105, 27.7682, 87.6092



30.0153, 54.6558, 26.5728



14.2672, 13.9245, 17.1772



24.9698, 12.0549, 38.1021



1.7391, 0.8389, 2.6847

Previews

White Background



This preview shows how the XYZ color 42.8781, 20.7023, 65.3544 looks on a white background.

Color Contrast Check

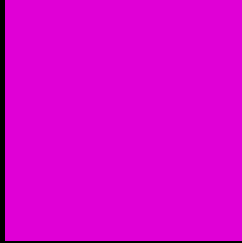
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8781, 20.7023, 65.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

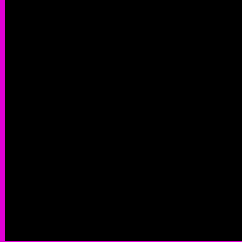
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8781, 20.7023, 65.3544

Background



This preview shows how black text looks on a background with the XYZ color 42.8781, 20.7023, 65.3544.



This preview shows how white text looks on a background with the XYZ color 42.8781, 20.7023,

65.3544.

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

42.8781, 20.7023, 65.3544

Protanopia

25.7286, 21.6930, 97.4389

Deuteranopia

21.9697, 21.3742, 58.2260



Tritanopia

31.8375, 20.9108, 11.8094

Trichromacy



Original Color

42.8781, 20.7023, 65.3544



Protanomaly

23.9321, 14.5648, 83.9880



Deuteranomaly

24.2364, 15.5753, 60.1215



Tritanomaly

33.8951, 18.8664, 24.4094

Monochromacy



Original Color

42.8781, 20.7023, 65.3544



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.6045, 10.2927, 24.4041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8781, 20.7023, 65.3544 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 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(224, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 42.8781, 20.7023, 65.3544 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, 214) }
```


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

```
.border{ border-color:rgb(224, 0, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8781, 20.7023, 65.3544 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, 214) }
```

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

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