

Converting Colors

XYZ(42.7960, 21.4615, 64.2423)

Have a look what the booklet for
XYZ(42.7960, 21.4615, 64.2423)
contains.

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Color

**XYZ(42.8316, 21.4745,
64.1749)**

Conversions

Conversions Part 1

Format	Color
Hex	DF20D4
RGB	223, 32, 212
RGB Percent	87%, 13%, 83%
CMY	0.1255, 0.8744, 0.1686
CMYK	0.00, 0.86, 0.05, 0.13
HSL	303°, 75%, 50%
HSV	303°, 86%, 87%
XYZ	42.8316, 21.4745, 64.1749
YIQ	109.6290, 56.0560, 96.4720

Conversions

Conversions Part 2

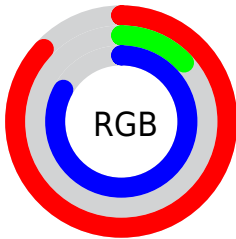
Format	Color
R _Y B	223, 32, 212
Decimal	14622932
CIE Lab	53.46, 83.92, -47.92
CIE LCh	53, 96.635, 330.272
Yxy	21.4745, 0.3334, 0.1671
Android (android.graphics.Color)	4292813012 (0xFFDF20D4)
YUV	109.6290, 50.4689, 99.4264
Hunter-Lab	46.3406, 83.8877, -49.6695

Details

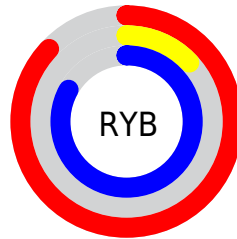
The XYZ color **42.8316, 21.4745, 64.1749** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.4205, 53.2578, 11.1217**, and the grayscale version is **14.5668, 15.3254, 16.6894**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **21.1901, 10.2209, 32.7543** is the 20% darker color. If you saturate the color by 10%, you get **42.2595, 20.5880, 63.1880**, and if you desaturate by 10%, it is **43.8121, 23.1746, 65.3046**.

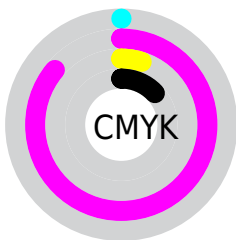
Distribution



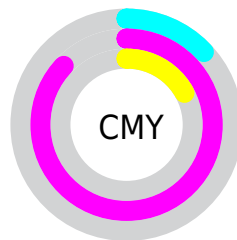
- Red (87%)
- Green (13%)
- Blue (83%)



- Red (87%)
- Yellow (13%)
- Blue (83%)



- Cyan (0%)
- Magenta (86%)
- Yellow (5%)
- Black (13%)





- Cyan (13%)
- Magenta (87%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8316, 21.4745, 64.1749 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 42.8316, 21.4745, 64.1749 by changing the saturation by 10% instead.

 42.8316, 21.4745,
64.1749


 42.8316, 21.4745,
64.1749

348.8520,
259.7896, 458.0457


 29.9470, 13.4713,
46.3453


 78.7140, 45.8759,
112.4647

 19.9462, 7.7539,
32.1677


 102.4424, 63.0429,
143.7619


 12.4640, 3.9379,
21.2238


 130.5162, 84.0333,
180.3854

 7.1349, 1.6389,
13.0948

 163.3006,
109.2314, 222.7537

 3.5937, 0.3836,
7.3624

 201.1610,
139.0217, 271.2853

 1.4750, 0.0000,
3.6079

244.4628,

 0.3087, 0.0000,

173.7886, 326.3988

1.4128

293.5714,
213.9164, 388.5128

■ 0.0000, 0.0000,
0.1517

■ 0.0000, 0.0000,
0.0000

■ 42.8316, 21.4745,
64.1749

■ 42.8316, 21.4745,
64.1749

■ 42.2595, 20.5880,
63.1880

■ 43.8121, 23.1746,
65.3046

■ 42.0841, 20.3491,
62.7846

■ 45.2693, 25.8265,
66.5993

■ 47.2615, 29.5463,
68.0788

■ 49.8379, 34.4325,
69.7594

■ 53.0423, 40.5726,
71.6558

■ 56.9142, 48.0458,
73.7811

■ 61.4900, 56.9245,
76.1475

■ 66.8033, 67.2762,
78.7662

■ 72.8857, 79.1639,
81.6477

Harmonies

Analogous

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



32.0821, 21.4745, 114.2360



42.8316, 21.4745, 64.1749



47.2373, 21.4745, 23.1142

Triad

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



42.8316, 21.4745, 64.1749



20.3171, 21.4745, 0.0000



7.6586, 21.4745, 65.0923

Complementary

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



42.8316, 21.4745, 64.1749



27.4205, 53.2578, 11.1217

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.



6.3406, 21.4745, 23.6520



42.8316, 21.4745, 64.1749



11.9814, 21.4745, 0.6098

Square

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



42.8316, 21.4745, 64.1749



31.8627, 21.4745, 0.5777



7.6098, 21.4745, 5.0479



12.0958, 21.4745, 115.0121

Rectangle

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



42.8316, 21.4745, 64.1749



45.1281, 21.4745, 8.7433



7.6098, 21.4745, 5.0479



6.9187, 21.4745, 48.9854

Sweetspot

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



42.8324, 21.4755, 64.1753



76.8143, 64.5027, 99.8183



14.7735, 6.8448, 70.3554



16.0307, 13.0122, 21.1436



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.



42.8324, 21.4755, 64.1753



57.0146, 27.5698, 84.9979



34.2163, 18.0291, 18.8034



14.2591, 13.9213, 17.1348



24.7592, 11.9707, 36.9933



1.7267, 0.8340, 2.6197

Inverse Universe

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



42.8324, 21.4755, 64.1753



57.0146, 27.5698, 84.9979



31.5036, 54.8911, 32.6233



14.2591, 13.9213, 17.1348



24.7592, 11.9707, 36.9933



1.7267, 0.8340, 2.6197

Previews

White Background



This preview shows how the XYZ color 42.8316, 21.4745, 64.1749 looks on a white background.

Color Contrast Check

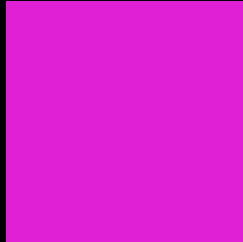
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8316, 21.4745, 64.1749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

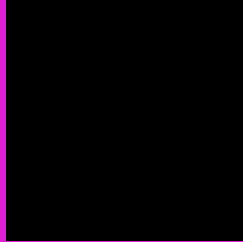
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.8316, 21.4745, 64.1749

Background



This preview shows how black text looks on a background with the XYZ color 42.8316, 21.4745, 64.1749.



This preview shows how white text looks on a background with the XYZ color 42.8316, 21.4745,

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

42.8316, 21.4745, 64.1749

Protanopia

26.1327, 22.0864, 97.4935

Deuteranopia

22.4589, 21.8326, 57.6740



Tritanopia

32.2479, 21.4556, 12.7976

Trichromacy



Original Color

42.8316, 21.4745, 64.1749



Protanomaly

25.3845, 16.8400, 83.5739



Deuteranomaly

25.4609, 17.6773, 59.1969



Tritanomaly

34.4754, 20.2390, 25.3820

Monochromacy



Original Color

42.8316, 21.4745, 64.1749



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

21.0463, 14.7205, 29.3358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8316, 21.4745, 64.1749 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(223, 32, 212)` looks like.

```
.text, #text, p{  
    color:rgb(223, 32, 212)  
}
```

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(223, 32, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 32, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.8316, 21.4745, 64.1749 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(223, 32, 212) }
```


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

```
.border{ border-color:rgb(223, 32, 212) }
```

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

Here you see how a box with a 4 pixel rgb(223, 32, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 32, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 32, 212);  
box-shadow:4px 4px 4px 4px rgb(223, 32,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8316, 21.4745, 64.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 32, 212) }
```

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

```
.background{ background-color: rgb(223, 32,  
212) }
```

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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