

Converting Colors

XYZ(42.4614, 21.3088, 63.7005)

Have a look what the booklet for
XYZ(42.4614, 21.3088, 63.7005)
contains.

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Color

**XYZ(42.3986, 21.2658,
63.4981)**

Conversions

Conversions Part 1

Format	Color
Hex	DE20D3
RGB	222, 32, 211
RGB Percent	87%, 13%, 83%
CMY	0.1294, 0.8744, 0.1725
CMYK	0.00, 0.86, 0.05, 0.13
HSL	303°, 75%, 50%
HSV	303°, 86%, 87%
XYZ	42.3986, 21.2658, 63.4981
YIQ	109.2160, 55.7810, 95.9490

Conversions

Conversions Part 2

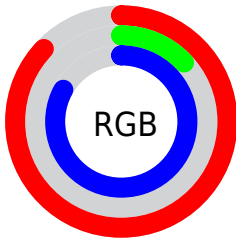
Format	Color
R _Y B	222, 32, 211
Decimal	14557395
CIE Lab	53.24, 83.59, -47.72
CIE LCh	53, 96.255, 330.281
Yxy	21.2658, 0.3334, 0.1672
Android (android.graphics.Color)	4292747475 (0xFFDE20D3)
YUV	109.2160, 50.1795, 98.9116
Hunter-Lab	46.1149, 83.4142, -49.3593

Details

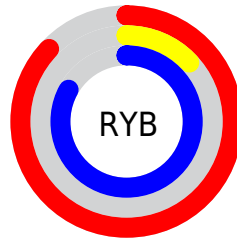
The XYZ color **42.3986, 21.2658, 63.4981** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **27.1541, 52.7251, 11.0329**, and the grayscale version is **14.4506, 15.2031, 16.5562**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **20.9010, 10.0817, 32.2968** is the 20% darker color. If you saturate the color by 10%, you get **41.8285, 20.3818, 62.5162**, and if you desaturate by 10%, it is **43.3736, 22.9561, 64.6215**.

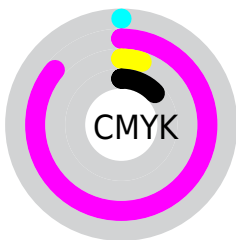
Distribution



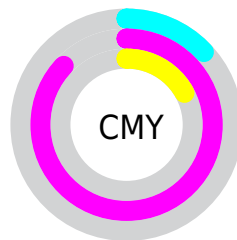
- Red (87%)
- Green (13%)
- Blue (83%)



- 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 42.3986, 21.2658, 63.4981 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 42.3986, 21.2658, 63.4981 by changing the saturation by 10% instead.

 42.3986, 21.2658,
63.4981


 42.3986, 21.2658,
63.4981


347.0962,
258.6877, 455.5326


 29.6060, 13.3184,
45.8007


 78.0639, 45.5295,
111.4803


 19.6863, 7.6482,
31.7410


 101.6674, 62.6146,
142.6022

 12.2742, 3.8707,
20.9006


 129.6051, 83.5144,
179.0360

 7.0042, 1.6015,
12.8608

 162.2426,
108.6133, 221.2002

 3.5111, 0.3586,
7.2032

 199.9450,
138.2957, 269.5135

 1.4294, 0.0000,
3.5091

243.0779,

 0.2771, 0.0000,

172.9459, 324.3943

1.3601

292.0065,
212.9485, 386.2611

■ 0.0000, 0.0000,
0.1103

■ 0.0000, 0.0000,
0.0000

■ 42.3986, 21.2658,
63.4981

■ 42.3986, 21.2658,
63.4981

■ 41.8285, 20.3818,
62.5162

■ 43.3736, 22.9561,
64.6215

■ 41.6514, 20.1405,
62.1091

■ 44.8207, 25.5893,
65.9086

■ 46.7974, 29.2798,
67.3786

■ 49.3527, 34.1251,
69.0478

■ 52.5296, 40.2116,
70.9307

■ 56.3672, 47.6175,
73.0403

■ 60.9014, 56.4146,
75.3884

■ 66.1656, 66.6694,
77.9864

■ 72.1909, 78.4443,
80.8445

Harmonies

Analogous

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



31.7647, 21.2658, 113.0162



42.3986, 21.2658, 63.4981



46.7545, 21.2658, 22.8808

Triad

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



42.3986, 21.2658, 63.4981



20.1166, 21.2658, 0.0000



7.5910, 21.2658, 64.4364

Complementary

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



42.3986, 21.2658, 63.4981



27.1541, 52.7251, 11.0329

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.



6.2852, 21.2658, 23.4311



42.3986, 21.2658, 63.4981



11.8678, 21.2658, 0.6062

Square

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



42.3986, 21.2658, 63.4981



31.5403, 21.2658, 0.5731



7.5411, 21.2658, 5.0086



11.9849, 21.2658, 113.8098

Rectangle

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



42.3986, 21.2658, 63.4981



44.6661, 21.2658, 8.6609



7.5411, 21.2658, 5.0086



6.8582, 21.2658, 48.5012

Sweetspot

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



42.3994, 21.2668, 63.4985



76.8111, 64.5015, 99.8016



14.6370, 6.7899, 69.6472



16.0299, 13.0119, 21.1396



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.



42.3994, 21.2668, 63.4985



57.0031, 27.5652, 84.9372



33.8824, 17.8600, 18.6485



14.2590, 13.9212, 17.1338



24.7543, 11.9687, 36.9675



1.7264, 0.8338, 2.6181

Inverse Universe

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



42.3994, 21.2668, 63.4985



57.0031, 27.5652, 84.9372



31.1978, 54.3426, 32.3270



14.2590, 13.9212, 17.1338



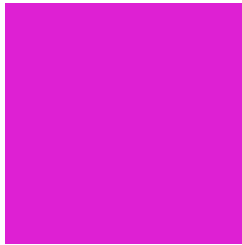
24.7543, 11.9687, 36.9675



1.7264, 0.8338, 2.6181

Previews

White Background



This preview shows how the XYZ color 42.3986, 21.2658, 63.4981 looks on a white background.

Color Contrast Check

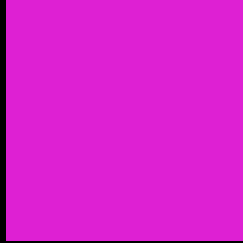
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3986, 21.2658, 63.4981 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 42.3986, 21.2658, 63.4981

Background



This preview shows how black text looks on a background with the XYZ color 42.3986, 21.2658, 63.4981.



This preview shows how white text looks on a background with the XYZ color 42.3986, 21.2658,

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

42.3986, 21.2658, 63.4981

Protanopia

26.0206, 22.0286, 97.4883

Deuteranopia

22.3424, 21.7860, 57.0604



Tritanopia

31.9183, 21.2907, 12.5525

Trichromacy



Original Color

42.3986, 21.2658, 63.4981



Protanomaly

25.0300, 16.6572, 83.5573



Deuteranomaly

25.3413, 17.6295, 58.5671



Tritanomaly

34.1119, 20.0597, 24.9957

Monochromacy



Original Color

42.3986, 21.2658, 63.4981



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

20.7084, 14.4442, 28.8907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3986, 21.2658, 63.4981 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(222, 32, 211)` looks like.

```
.text, #text, p{  
    color:rgb(222, 32, 211)  
}
```

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(222, 32, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 32, 211) }
```

Border

The CSS property to change the border of an element to XYZ 42.3986, 21.2658, 63.4981 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(222, 32, 211) }
```


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

```
.border{ border-color:rgb(222, 32, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 32, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 32, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 32, 211);  
box-shadow:4px 4px 4px 4px rgb(222, 32,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3986, 21.2658, 63.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 32, 211) }
```

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

```
.background{ background-color: rgb(222, 32,  
211) }
```

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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