

Converting Colors

XYZ(40.4678, 21.8368, 64.1347)

Have a look what the booklet for
XYZ(40.4678, 21.8368, 64.1347)
contains.

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Color

**XYZ(40.5990, 21.8784,
64.3705)**

Conversions

Conversions Part 1

Format	Color
Hex	D43BD4
RGB	212, 59, 212
RGB Percent	83%, 23%, 83%
CMY	0.1686, 0.7686, 0.1686
CMYK	0.00, 0.72, 0.00, 0.17
HSL	300°, 64%, 53%
HSV	300°, 72%, 83%
XYZ	40.5990, 21.8784, 64.3705
YIQ	122.1890, 42.0750, 80.0190

Conversions

Conversions Part 2

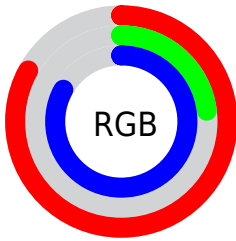
Format	Color
R _{YB}	212, 59, 212
Decimal	13908948
CIE _{Lab}	53.90, 75.27, -47.34
CIE _{LCh}	54, 88.923, 327.832
Y _{xy}	21.8784, 0.3201, 0.1725
Android (android.graphics.Color)	4292099028 (0xFFD43BD4)
Y _{UV}	122.1890, 44.2768, 78.7642
Hunter-Lab	46.7744, 73.0785, -48.8524

Details

The XYZ color **40.5990, 21.8784, 64.3705** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **26.1375, 48.3336, 12.0905**, and the grayscale version is **18.4119, 19.3708, 21.0948**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **19.2227, 9.2066, 32.6622** is the 20% darker color. If you saturate the color by 10%, you get **39.7225, 20.1247, 64.0784**, and if you desaturate by 10%, it is **41.9194, 24.5185, 64.8109**.

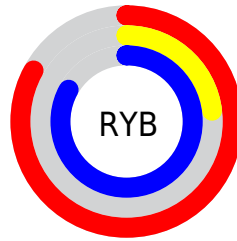
Distribution



Red (83%)

Green (23%)

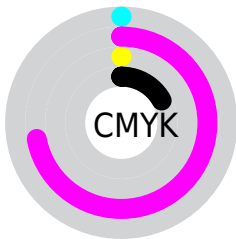
Blue (83%)



Red (83%)

Yellow (23%)

Blue (83%)

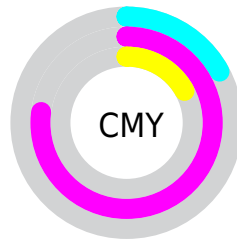


Cyan (0%)

Magenta (72%)

Yellow (0%)

Black (17%)



Cyan (17%)

Magenta (77%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5990, 21.8784, 64.3705 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 40.5990, 21.8784, 64.3705 by changing the saturation by 10% instead.

40.5990, 21.8784,
64.3705

40.5990, 21.8784,
64.3705

339.7331,
261.9106, 458.7705

28.1922, 13.7676,
46.5027

75.3533, 46.5449,
112.7489

18.6118, 7.9592,
32.2912

98.4316, 63.8694,
144.0967

11.4924, 4.0688,
21.3173

125.7976, 85.0340,
180.7748

6.4688, 1.7121,
13.1627

157.8169,
110.4229, 223.2019

3.1755, 0.4315,
7.4086

194.8548,
140.4206, 271.7965

1.2473, 0.0000,
3.6366

237.2765,

0.1432, 0.0000,

175.4116, 326.9771

1.4282

285.4475,
215.7801, 389.1622

■ 0.0000, 0.0000,
0.1636

■ 0.0000, 0.0000,
0.0000

■ 40.5990, 21.8784,
64.3705

■ 40.5990, 21.8784,
64.3705

■ 39.7225, 20.1247,
64.0784

■ 41.9194, 24.5185,
64.8109


■ 39.2299, 19.1395,
63.9141


■ 43.7289, 28.1374,
65.4141

■ 39.0355, 18.7507,
63.8492

■ 46.0699, 32.8195,
66.1946


■ 48.9797, 38.6391,
67.1646

 52.4921, 45.6638,
68.3355

 56.6384, 53.9563,
69.7177

 61.4475, 63.5744,
71.3208

 66.9467, 74.5728,
73.1539

 73.1618, 87.0030,
75.2257

Harmonies

Analogous

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



30.6301, 21.8784, 107.5007



40.5990, 21.8784, 64.3705



45.1543, 21.8784, 25.8733

Triad

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



40.5990, 21.8784, 64.3705



21.4992, 21.8784, 0.2844



8.3922, 21.8784, 57.8962

Complementary

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



40.5990, 21.8784, 64.3705



26.1375, 48.3336, 12.0905

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.



7.2885, 21.8784, 21.8818



40.5990, 21.8784, 64.3705



13.3286, 21.8784, 0.9995

Square

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



40.5990, 21.8784, 64.3705



32.2189, 21.8784, 1.2603



8.7785, 21.8784, 5.3317



12.4515, 21.8784, 102.1436

Rectangle

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



40.5990, 21.8784, 64.3705



43.7088, 21.8784, 11.0480



8.7785, 21.8784, 5.3317



7.7303, 21.8784, 43.8929

Sweetspot

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



40.5998, 21.8794, 64.3709



79.6904, 69.2808, 103.7798



15.2522, 8.8122, 63.1854



16.7244, 14.1637, 22.1023



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.



40.5998, 21.8794, 64.3709



59.8378, 29.5760, 97.1614



33.1249, 18.8894, 25.0084



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Inverse Universe

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



40.5998, 21.8794, 64.3709



59.8378, 29.5760, 97.1614



29.7567, 49.7812, 31.1486



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 40.5990, 21.8784, 64.3705 looks on a white background.

Color Contrast Check

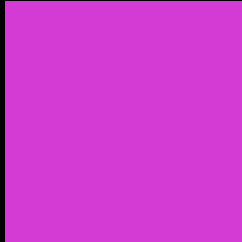
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.5990, 21.8784, 64.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

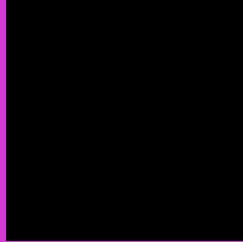
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.5990, 21.8784, 64.3705

Background



This preview shows how black text looks on a background with the XYZ color 40.5990, 21.8784, 64.3705.



This preview shows how white text looks on a background with the XYZ color 40.5990, 21.8784,

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

40.5990, 21.8784, 64.3705

Protanopia

26.5103, 22.4681, 97.5473

Deuteranopia

22.7073, 22.1417, 58.3353



Tritanopia

30.5928, 21.8282, 15.6976

Trichromacy



Original Color

40.5990, 21.8784, 64.3705



Protanomaly

26.1775, 18.6035, 83.8725



Deuteranomaly

25.9614, 19.4593, 60.1453



Tritanomaly

32.9530, 21.0071, 28.3046

Monochromacy



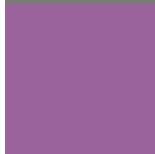
Original Color

40.5990, 21.8784, 64.3705



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

23.8958, 18.2588, 33.2752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5990, 21.8784, 64.3705 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(212, 59, 212)` looks like.

```
.text, #text, p{  
    color:rgb(212, 59, 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(212, 59, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 59, 212) }
```

Border

The CSS property to change the border of an element to XYZ 40.5990, 21.8784, 64.3705 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(212, 59, 212) }
```


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

```
.border{ border-color:rgb(212, 59, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 59, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 59, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 59, 212);  
box-shadow:4px 4px 4px 4px rgb(212, 59,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5990, 21.8784, 64.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 59, 212) }
```

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

```
.background{ background-color: rgb(212, 59,  
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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