

Converting Colors

XYZ(50.6417, 35.4172, 86.5264)

Have a look what the booklet for
XYZ(50.6417, 35.4172, 86.5264)
contains.

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Color

**XYZ(50.6296, 35.3591,
86.5946)**

Conversions

Conversions Part 1

Format	Color
Hex	D57EF0
RGB	213, 126, 240
RGB Percent	84%, 49%, 94%
CMY	0.1647, 0.5059, 0.0588
CMYK	0.11, 0.47, 0.00, 0.06
HSL	286°, 79%, 72%
HSV	286°, 47%, 94%
XYZ	50.6296, 35.3591, 86.5946
YIQ	165.0090, 15.2580, 53.8980

Conversions

Conversions Part 2

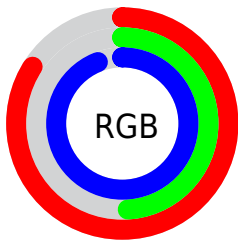
Format	Color
R _{YB}	213, 126, 240
Decimal	13991664
CIE _{Lab}	66.03, 51.75, -43.87
CIE _{LCh}	66, 67.843, 319.708
Yxy	35.3591, 0.2934, 0.2049
Android (android.graphics.Color)	4292181744 (0xFFD57EF0)
YUV	165.0090, 36.9706, 42.0881
Hunter-Lab	59.4635, 47.9208, -44.7174

Details

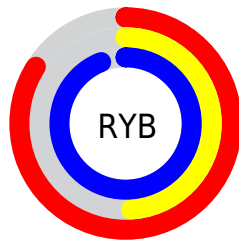
The XYZ color **50.6296, 35.3591, 86.5946** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **48.0639, 70.5997, 30.8340**, and the grayscale version is **35.5929, 37.4465, 40.7793**.

A 20% lighter version of the original color is **75.8139, 61.5277, 102.4880**, and **24.6401, 15.2519, 46.4450** is the 20% darker color. If you saturate the color by 10%, you get **46.3011, 29.1062, 85.6163**, and if you desaturate by 10%, it is **55.7544, 43.1169, 87.8224**.

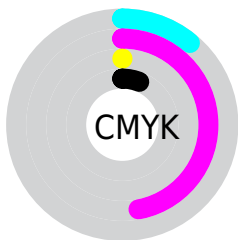
Distribution



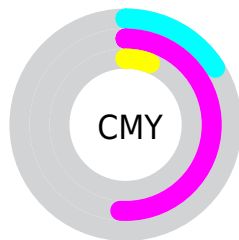
- Red (84%)
- Green (49%)
- Blue (94%)



- Red (84%)
- Yellow (49%)
- Blue (94%)



- Cyan (11%)
- Magenta (47%)
- Yellow (0%)
- Black (6%)





- Cyan (16%)
- Magenta (51%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6296, 35.3591, 86.5946 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 50.6296, 35.3591, 86.5946 by changing the saturation by 10% instead.


 50.6296, 35.3591,
86.5946


 50.6296, 35.3591,
86.5946

379.5344,
326.1505, 537.1714

 36.1338, 23.9396,
64.6021


 90.2933, 68.0417,
144.4928

 24.7081, 15.2888,
46.6892


 116.1918, 90.0736,
181.2356

 15.9873, 9.0224,
32.4374


 146.6220,
116.4118, 223.7322

 9.6059, 4.7558,
21.4282

181.9491,
147.4406, 272.4011

 5.1987, 2.1047,
13.2431

222.5386,
183.5445, 327.6610

 2.4003, 0.6673,
7.4635

268.7557,

 0.8452, 0.0000,

225.1079, 389.9303

3.6708

320.9658,
272.5151, 459.6276

■ 0.0000, 0.0000,
1.4465

■ 0.0000, 0.0000,
0.1776

■ 50.6296, 35.3591,
86.5946

■ 50.6296, 35.3591,
86.5946

■ 46.3011, 29.1062,
85.6163

■ 55.7544, 43.1169,
87.8224

■ 42.7111, 24.2462,
84.8675


■ 61.7206, 52.4717,
89.3137


■ 39.7995, 20.6591,
84.3286


■ 68.5740, 63.5136,
91.0837


■ 37.4943, 18.2015,
83.9757


■ 76.3561, 76.3245,
93.1463


 35.7002, 16.6840,
83.7774

 85.1056, 90.9810,
95.5142

 35.2947, 16.3782,
83.7397

 89.8837, 97.6049,
96.5409

 91.9202, 98.6547,
96.6362

 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



40.5633, 35.3591, 117.7630



50.6296, 35.3591, 86.5946



56.4627, 35.3591, 49.2714

Triad

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



50.6296, 35.3591, 86.5946



37.1840, 35.3591, 5.6674



18.4867, 35.3591, 60.3707

Complementary

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



50.6296, 35.3591, 86.5946



48.0639, 70.5997, 30.8340

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.



17.9403, 35.3591, 29.4254



50.6296, 35.3591, 86.5946



27.4966, 35.3591, 6.3494

Square

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



50.6296, 35.3591, 86.5946



47.7352, 35.3591, 9.8158



20.9055, 35.3591, 12.6357



22.5851, 35.3591, 98.1119

Rectangle

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



50.6296, 35.3591, 86.5946



56.5111, 35.3591, 29.8921



20.9055, 35.3591, 12.6357



17.9178, 35.3591, 48.6197

Sweetspot

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



50.6309, 35.3606, 86.5954



81.6573, 77.7312, 105.3076



35.9720, 34.0050, 87.1063



17.0775, 15.9818, 22.4347



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.



50.6309, 35.3606, 86.5954



53.2780, 33.6021, 98.2855



55.2177, 38.1766, 66.4168



16.0671, 15.8318, 19.9306



19.4447, 9.0295, 45.8459



1.7047, 0.7961, 3.8180

Inverse Universe

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



49.1469, 35.7482, 34.4481



51.8180, 34.3524, 30.3149



45.6399, 69.1065, 41.7256



15.9262, 15.8202, 17.1677



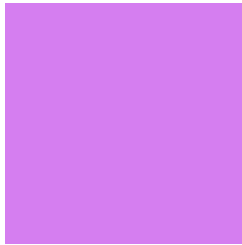
20.1164, 10.3190, 3.2638



1.7110, 0.8734, 0.4689

Previews

White Background



This preview shows how the XYZ color 50.6296, 35.3591, 86.5946 looks on a white background.

Color Contrast Check

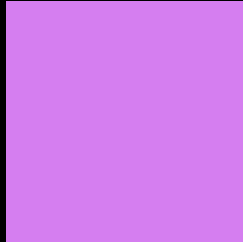
Large Text (above 18pt) WCAG AA × Fail

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 50.6296, 35.3591, 86.5946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

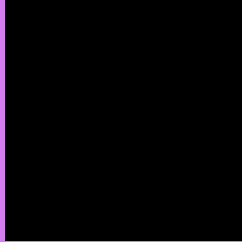
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6296, 35.3591, 86.5946

Background



This preview shows how black text looks on a background with the XYZ color 50.6296, 35.3591, 86.5946.



This preview shows how white text looks on a background with the XYZ color 50.6296, 35.3591,

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

50.6296, 35.3591, 86.5946

Protanopia

38.4452, 35.8847, 99.5079

Deuteranopia

36.6095, 35.5621, 82.7765



Tritanopia

40.4521, 35.4096, 36.6010

Trichromacy



Original Color

50.6296, 35.3591, 86.5946



Protanomaly

41.2445, 34.5278, 94.9332



Deuteranomaly

40.2720, 34.5006, 83.8936



Tritanomaly

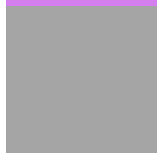
43.3791, 35.0322, 51.4893

Monochromacy



Original Color

50.6296, 35.3591, 86.5946



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.8724, 35.8841, 54.6940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6296, 35.3591, 86.5946 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(213, 126, 240)` looks like.

```
.text, #text, p{  
    color:rgb(213, 126, 240)  
}
```

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(213, 126, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 126, 240) }
```

Border

The CSS property to change the border of an element to XYZ 50.6296, 35.3591, 86.5946 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(213, 126, 240) }
```


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

```
.border{ border-color:rgb(213, 126, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 126, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 126, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 126, 240);  
box-shadow:4px 4px 4px 4px rgb(213, 126,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6296, 35.3591, 86.5946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 126, 240) }
```

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

```
.background{ background-color: rgb(213,  
126, 240) }
```

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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