

Converting Colors

XYZ(50.1021, 29.1077, 92.6015)

Have a look what the booklet for
XYZ(50.1021, 29.1077, 92.6015)
contains.

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Color

**XYZ(50.1865, 29.2000,
92.6136)**

Conversions

Conversions Part 1

Format	Color
Hex	DC59F9
RGB	220, 89, 249
RGB Percent	86%, 35%, 98%
CMY	0.1372, 0.6510, 0.0235
CMYK	0.12, 0.64, 0.00, 0.02
HSL	289°, 93%, 66%
HSV	289°, 64%, 98%
XYZ	50.1865, 29.2000, 92.6136
YIQ	146.4090, 26.7160, 77.5320

Conversions

Conversions Part 2

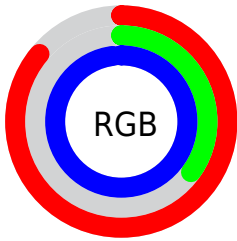
Format	Color
R _{YB}	220, 89, 249
Decimal	14440953
CIE _{Lab}	60.96, 72.41, -56.81
CIE _{LCh}	61, 92.040, 321.885
Yxy	29.2000, 0.2918, 0.1698
Android (android.graphics.Color)	4292631033 (0xFFDC59F9)
YUV	146.4090, 50.5774, 64.5393
Hunter-Lab	54.0370, 71.2158, -63.7907

Details

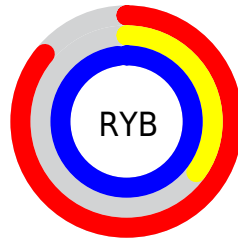
The XYZ color **50.1865, 29.2000, 92.6136** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **43.1510, 72.3249, 21.1382**, and the grayscale version is **27.2819, 28.7027, 31.2572**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **24.4452, 11.8486, 50.8678** is the 20% darker color. If you saturate the color by 10%, you get **47.1065, 25.0395, 91.9733**, and if you desaturate by 10%, it is **54.0060, 34.7826, 93.4903**.

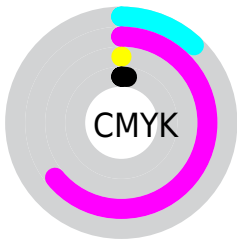
Distribution



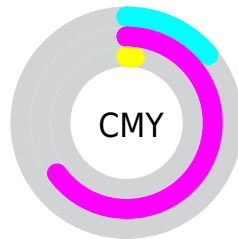
- Red (86%)
- Green (35%)
- Blue (98%)



- Red (86%)
- Yellow (35%)
- Blue (98%)



- Cyan (12%)
- Magenta (64%)
- Yellow (0%)
- Black (2%)





- Cyan (14%)
- Magenta (65%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1865, 29.2000, 92.6136 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 50.1865, 29.2000, 92.6136 by changing the saturation by 10% instead.

 50.1865, 29.2000,
92.6136

 50.1865, 29.2000,
92.6136


377.8348,
298.1574, 557.2846


 35.7800, 19.2322,
69.5645

 89.6413, 58.3947,
152.9306


 24.4337, 11.8382,
50.6970


 115.4203, 78.3904,
191.0356

 15.7821, 6.6336,
35.5925


 145.7209,
102.4974, 234.9963

 9.4600, 3.2340,
23.8324

 180.9085,
131.1003, 285.2313

 5.1019, 1.2551,
14.9983

221.3482,
164.5833, 342.1591

 2.3425, 0.1060,
8.6716

267.4056,

 0.8163, 0.0000,

203.3309, 406.1982

4.4337

319.4460,
247.7275, 477.7672

■ 0.0000, 0.0000,
1.8662

■ 0.0000, 0.0000,
0.4711

■ 50.1865, 29.2000,
92.6136

■ 50.1865, 29.2000,
92.6136

■ 47.1065, 25.0395,
91.9733

■ 54.0060, 34.7826,
93.4903

■ 44.6884, 22.1495,
91.5430

■ 58.6256, 41.9112,
94.6228

■ 42.8425, 20.3501,
91.2929

■ 64.1031, 50.7001,
96.0305

■ 41.9653, 19.6587,
91.2057

■ 70.4900, 61.2519,
97.7306

77.8336, 73.6607,
99.7387

86.1779, 88.0140,
102.0693

92.8567, 98.9792,
103.8338

94.0990, 99.6196,
103.8920

Harmonies

Analogous

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



37.2862, 29.2000, 141.1862



50.1865, 29.2000, 92.6136



57.4821, 29.2000, 42.0780

Triad

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



50.1865, 29.2000, 92.6136



31.1443, 29.2000, 0.9776



11.3622, 29.2000, 63.3816

Complementary

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



50.1865, 29.2000, 92.6136



43.1510, 72.3249, 21.1382

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.



10.5900, 29.2000, 23.3388



50.1865, 29.2000, 92.6136



20.0025, 29.2000, 1.4384

Square

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



50.1865, 29.2000, 92.6136



44.5950, 29.2000, 2.9799



13.2567, 29.2000, 5.9452



15.7968, 29.2000, 117.4266

Rectangle

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



50.1865, 29.2000, 92.6136



57.0544, 29.2000, 20.0218



13.2567, 29.2000, 5.9452



10.7294, 29.2000, 47.4590

Sweetspot

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



50.1877, 29.2012, 92.6142



78.3367, 71.2603, 104.2336



27.7376, 22.0003, 92.4076



16.2998, 14.4646, 22.1828



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.



50.1877, 29.2012, 92.6142



48.9337, 25.4362, 96.9383



52.8717, 31.3782, 56.8991



17.6664, 17.3562, 21.8043



22.5744, 10.5802, 48.8259



2.1684, 1.0199, 4.5258

Inverse Universe

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



45.9102, 28.5936, 20.2401



44.8171, 25.1645, 13.1407



42.7056, 71.7596, 36.2839



17.3731, 17.2766, 18.5543



21.2036, 10.8971, 2.5144



1.9977, 1.0228, 0.4115

Previews

White Background



This preview shows how the XYZ color 50.1865, 29.2000, 92.6136 looks on a white background.

Color Contrast Check

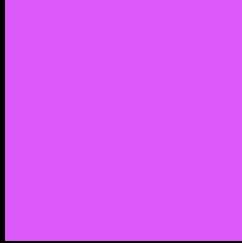
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.1865, 29.2000, 92.6136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

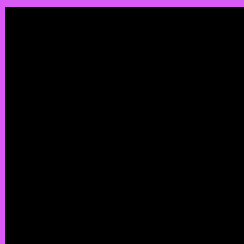
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 50.1865, 29.2000, 92.6136

Background



This preview shows how black text looks on a background with the XYZ color 50.1865, 29.2000, 92.6136.



This preview shows how white text looks on a background with the XYZ color 50.1865, 29.2000,

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

50.1865, 29.2000, 92.6136

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.5835, 29.6871, 85.7796



Tritanopia

36.3431, 28.9461, 25.8620

Trichromacy



Original Color

50.1865, 29.2000, 92.6136



Protanomaly

35.9218, 27.1699, 96.2795



Deuteranomaly

34.4145, 27.1388, 88.2185



Tritanomaly

40.0006, 28.1657, 43.8857

Monochromacy



Original Color

50.1865, 29.2000, 92.6136



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

33.1144, 26.9704, 48.2602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1865, 29.2000, 92.6136 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(220, 89, 249)` looks like.

```
.text, #text, p{  
    color:rgb(220, 89, 249)  
}
```

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(220, 89, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 89, 249) }
```

Border

The CSS property to change the border of an element to XYZ 50.1865, 29.2000, 92.6136 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(220, 89, 249) }
```


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

```
.border{ border-color:rgb(220, 89, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 89, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 89, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 89, 249);  
box-shadow:4px 4px 4px 4px rgb(220, 89,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1865, 29.2000, 92.6136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 89, 249) }
```

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

```
.background{ background-color: rgb(220, 89,  
249) }
```

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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