

Converting Colors

XYZ(49.5028, 29.0914, 97.6139)

Have a look what the booklet for
XYZ(49.5028, 29.0914, 97.6139)
contains.

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Color

**XYZ(49.6087, 29.1704,
97.6235)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D65CFF |
| RGB | 214, 92, 255 |
| RGB Percent | 84%, 36%, 100% |
| CMY | 0.1608, 0.6392, 0.0000 |
| CMYK | 0.16, 0.64, 0.00, 0.00 |
| HSL | 285°, 100%, 68% |
| HSV | 285°, 64%, 100% |
| XYZ | 49.6087, 29.1704, 97.6235 |
| YIQ | 147.0600, 20.3890, 76.5570 |

Conversions

Conversions Part 2

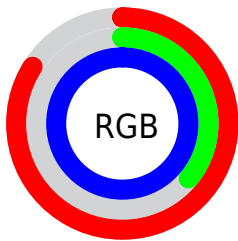
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 214, 92, 255 |
| Decimal | 14048511 |
| CIE Lab | 60.93, 70.97, -60.21 |
| CIE LCh | 61, 93.071, 319.688 |
| Yxy | 29.1704, 0.2812, 0.1654 |
| Android (android.graphics.Color) | 4292238591 (0xFFD65CFF) |
| YUV | 147.0600, 53.2144, 58.7064 |
| Hunter-Lab | 54.0096, 69.4382, -69.3611 |

Details

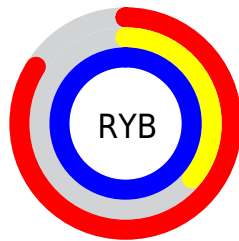
The XYZ color **49.6087, 29.1704, 97.6235** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **47.3651, 77.2795, 22.5462**, and the grayscale version is **27.5403, 28.9745, 31.5532**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **23.9875, 11.7836, 53.8335** is the 20% darker color. If you saturate the color by 10%, you get **45.9247, 24.5260, 96.9212**, and if you desaturate by 10%, it is **54.1116, 35.3411, 98.5773**.

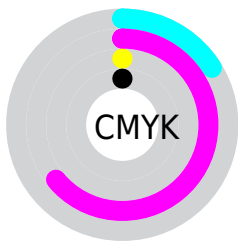
Distribution



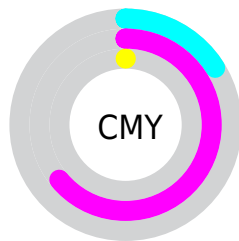
- Red (84%)
- Green (36%)
- Blue (100%)



- Red (84%)
- Yellow (36%)
- Blue (100%)



- Cyan (16%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)




- Cyan (16%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6087, 29.1704, 97.6235 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 49.6087, 29.1704, 97.6235 by changing the saturation by 10% instead.


 49.6087, 29.1704,
97.6235


 49.6087, 29.1704,
97.6235


375.6111,
298.0181, 573.7277

 35.3191, 19.2098,
73.7115


 88.7901, 58.3477,
159.9108

 24.0765, 11.8219,
54.0626

 114.4127, 78.3332,
199.1231

 15.5154, 6.6226,
38.2582


 144.5436,
102.4290, 244.2727

 9.2706, 3.2272,
25.8798

 179.5482,
131.0197, 295.7780

 4.9766, 1.2515,
16.5088

219.7919,
164.4895, 354.0576

 2.2682, 0.1031,
9.7266

265.6401,

 0.7783, 0.0000,

203.2229, 419.5301

5.1149

317.4580,
247.6043, 492.6139

■ 0.0000, 0.0000,
2.2549

■ 0.0000, 0.0000,
0.7058

■ 49.6087, 29.1704,
97.6235

■ 49.6087, 29.1704,
97.6235

■ 45.9247, 24.5260,
96.9212

■ 54.1116, 35.3411,
98.5773

■ 42.9775, 21.2479,
96.4438

■ 59.4982, 43.1695,
99.8044

■ 40.6720, 19.1463,
96.1597

■ 65.8300, 52.7766,
101.3250

■ 39.5010, 18.2784,
96.0539

■ 73.1619, 64.2709,
103.1572

81.5446, 77.7524,
105.3176

91.0248, 93.3137,
107.8216

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



36.3575, 29.1704, 145.4604



49.6087, 29.1704, 97.6235



57.6199, 29.1704, 45.2968

Triad

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



49.6087, 29.1704, 97.6235



32.1183, 29.1704, 0.9429



11.0420, 29.1704, 60.0299

Complementary

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



49.6087, 29.1704, 97.6235



47.3651, 77.2795, 22.5462

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.



10.5160, 29.1704, 21.2332



49.6087, 29.1704, 97.6235



20.5810, 29.1704, 1.2411

Square

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



49.6087, 29.1704, 97.6235



45.7374, 29.1704, 3.1925



13.4622, 29.1704, 5.1712



15.1987, 29.1704, 114.8865

Rectangle

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



49.6087, 29.1704, 97.6235



57.6920, 29.1704, 21.7870



13.4622, 29.1704, 5.1712



10.4928, 29.1704, 44.3931

Sweetspot

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



49.6098, 29.1716, 97.6237



77.1518, 70.6494, 104.1781



31.1937, 26.9549, 98.1665



16.0105, 14.3155, 22.1693



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.



49.6098, 29.1716, 97.6237



44.9424, 23.3786, 96.7515



57.5877, 33.9231, 69.1362



18.3203, 18.0569, 22.7697



20.7845, 9.6253, 50.1970



2.1239, 0.9888, 4.8922

Inverse Universe

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



49.3013, 30.6085, 25.5005



45.4948, 25.4356, 16.7094



44.2058, 75.4082, 33.3573



18.1968, 18.0620, 19.6534



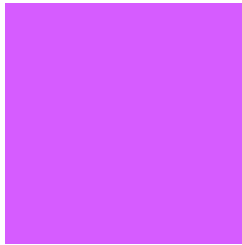
22.0844, 11.3231, 3.8292



2.1919, 1.1191, 0.5921

Previews

White Background



This preview shows how the XYZ color 49.6087, 29.1704, 97.6235 looks on a white background.

Color Contrast Check

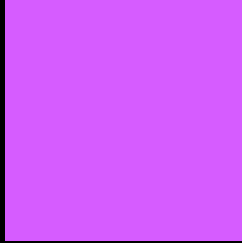
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.6087, 29.1704, 97.6235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

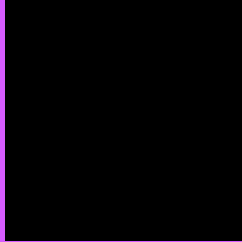
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.6087, 29.1704, 97.6235

Background



This preview shows how black text looks on a background with the XYZ color 49.6087, 29.1704, 97.6235.



This preview shows how white text looks on a background with the XYZ color 49.6087, 29.1704,

97.6235.

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

49.6087, 29.1704, 97.6235

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.5510, 29.5662, 90.4828



Tritanopia

35.1307, 28.8552, 27.3849

Trichromacy



Original Color

49.6087, 29.1704, 97.6235

Protanomaly

36.0311, 27.3762, 97.9928

Deuteranomaly

34.0240, 27.0237, 93.0454

Tritanomaly

38.8841, 28.0264, 46.5402

Monochromacy



Original Color

49.6087, 29.1704, 97.6235

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

33.2469, 27.3818, 49.9873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6087, 29.1704, 97.6235 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(214, 92, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 92, 255)  
}
```

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(214, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 92, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.6087, 29.1704, 97.6235 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(214, 92, 255) }
```


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

```
.border{ border-color:rgb(214, 92, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 92, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 92,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6087, 29.1704, 97.6235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 92, 255) }
```

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

```
.background{ background-color: rgb(214, 92,  
255) }
```

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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