

Converting Colors

XYZ(48.6888, 25.9677, 97.0538)

Have a look what the booklet for
XYZ(48.6888, 25.9677, 97.0538)
contains.

XYZ(48.6724, 25.9860, 97.0582)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.6724, 25.9860,
97.0582)**

Conversions

Conversions Part 1

Format	Color
Hex	D943FF
RGB	217, 67, 255
RGB Percent	85%, 26%, 100%
CMY	0.1490, 0.7372, 0.0000
CMYK	0.15, 0.74, 0.00, 0.00
HSL	288°, 100%, 63%
HSV	288°, 74%, 100%
XYZ	48.6724, 25.9860, 97.0582
YIQ	133.2820, 29.0520, 90.2680

Conversions

Conversions Part 2

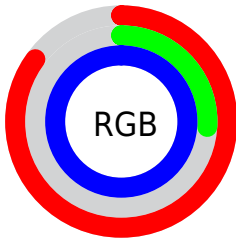
Format	Color
R _Y B	217, 67, 255
Decimal	14238719
CIE Lab	58.02, 80.95, -64.85
CIE LCh	58, 103.729, 321.302
Yxy	25.9860, 0.2834, 0.1513
Android (android.graphics.Color)	4292428799 (0xFFD943FF)
YUV	133.2820, 60.0070, 73.4207
Hunter-Lab	50.9765, 81.2232, -77.2035

Details

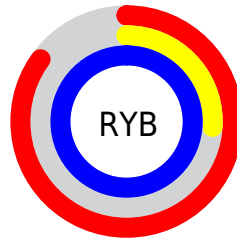
The XYZ color **48.6724, 25.9860, 97.0582** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **42.5994, 74.9288, 17.5285**, and the grayscale version is **22.1792, 23.3342, 25.4110**.

A 20% lighter version of the original color is **67.1403, 44.1805, 99.5968**, and **23.9827, 11.1993, 53.7210** is the 20% darker color. If you saturate the color by 10%, you get **45.9682, 22.8156, 96.5888**, and if you desaturate by 10%, it is **52.0932, 30.5165, 97.7524**.

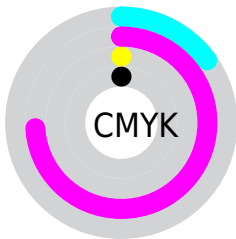
Distribution



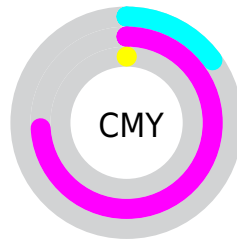
- Red (85%)
- Green (26%)
- Blue (100%)



- Red (85%)
- Yellow (26%)
- Blue (100%)



- Cyan (15%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6724, 25.9860, 97.0582 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 48.6724, 25.9860, 97.0582 by changing the saturation by 10% instead.


 48.6724, 25.9860,
97.0582

 48.6724, 25.9860,
97.0582


371.9896,
282.7133, 571.8851

 34.5731, 16.8132,
73.2429


 87.4084, 53.2524,
159.1250

 23.4992, 10.1014,
53.6816


 112.7758, 72.1147,
198.2135


 15.0853, 5.4662,
37.9557


 142.6299, 94.9756,
243.2303

 8.9660, 2.5233,
25.6467

 177.3362,
122.2196, 294.5937

 4.7759, 0.8883,
16.3362

 217.2600,
154.2309, 352.7223

 2.1498, 0.0000,
9.6054

262.7665,

 0.7161, 0.0000,

191.3941, 418.0347

5.0360

314.2213,
234.0934, 490.9495

■ 0.0000, 0.0000,
2.2093

■ 0.0000, 0.0000,
0.6797

■ 48.6724, 25.9860,
97.0582

■ 48.6724, 25.9860,
97.0582

■ 45.9682, 22.8156,
96.5888

■ 52.0932, 30.5165,
97.7524

■ 43.8821, 20.8121,
96.3120

■ 56.3057, 36.5596,
98.6968

■ 42.8038, 19.9811,
96.2085

■ 61.3783, 44.2507,
99.9140

■ 67.3710, 53.7092,
101.4238

■ 74.3383, 65.0433,
103.2443

■ 82.3301, 78.3524,
105.3920

■ 91.3931, 93.7290,
107.8823

■ 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.



34.5240, 25.9860, 153.5256



48.6724, 25.9860, 97.0582



56.9825, 25.9860, 40.0628

Triad

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



48.6724, 25.9860, 97.0582



28.5240, 25.9860, 0.0000



8.3672, 25.9860, 61.4841

Complementary

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



48.6724, 25.9860, 97.0582



42.5994, 74.9288, 17.5285

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.



7.7196, 25.9860, 19.0908



48.6724, 25.9860, 97.0582



16.9408, 25.9860, 0.2376

Square

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



48.6724, 25.9860, 97.0582



43.0285, 25.9860, 1.3837



10.2654, 25.9860, 3.3667



12.4919, 25.9860, 123.5097

Rectangle

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



48.6724, 25.9860, 97.0582



56.6514, 25.9860, 16.8136



10.2654, 25.9860, 3.3667



7.8075, 25.9860, 44.0819

Sweetspot

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



48.6735, 25.9870, 97.0584



75.6411, 67.1934, 103.5906



25.7001, 19.0834, 96.9367



15.7545, 13.6637, 22.0570



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.



48.6735, 25.9870, 97.0584



45.0067, 21.8287, 96.4490



53.8768, 29.5267, 58.5723



18.4119, 18.1041, 22.7740



22.4919, 10.5055, 50.2769



2.2768, 1.0676, 4.8993

Inverse Universe

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



45.7974, 26.2950, 16.0271



43.0226, 22.7404, 8.9512



41.4817, 74.0761, 29.9673



18.1595, 18.0471, 19.4569



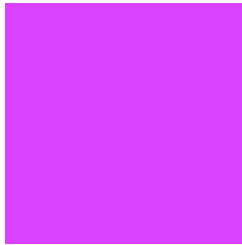
21.9093, 11.2530, 2.9070



2.1700, 1.1104, 0.4769

Previews

White Background



This preview shows how the XYZ color 48.6724, 25.9860, 97.0582 looks on a white background.

Color Contrast Check

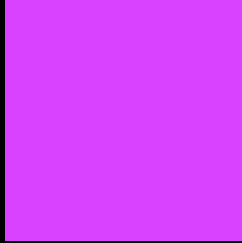
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.6724, 25.9860, 97.0582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

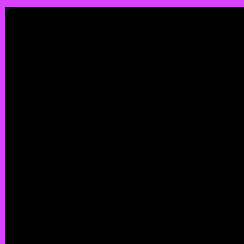
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.6724, 25.9860, 97.0582

Background



This preview shows how black text looks on a background with the XYZ color 48.6724, 25.9860, 97.0582.



This preview shows how white text looks on a background with the XYZ color 48.6724, 25.9860,

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

48.6724, 25.9860, 97.0582

Protanopia

29.9147, 26.4061, 98.1280

Deuteranopia

27.1828, 26.3013, 87.6484



Tritanopia

33.2591, 25.8336, 21.9723

Trichromacy



Original Color

48.6724, 25.9860, 97.0582



Protanomaly

32.6365, 23.1781, 97.3614



Deuteranomaly

29.8760, 22.3949, 90.7437



Tritanomaly

37.1720, 24.7975, 41.3553

Monochromacy



Original Color

48.6724, 25.9860, 97.0582



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

28.7143, 22.0041, 44.3288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6724, 25.9860, 97.0582 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(217, 67, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 67, 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(217, 67, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 67, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.6724, 25.9860, 97.0582 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(217, 67, 255) }
```


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

```
.border{ border-color:rgb(217, 67, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 67, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 67, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 67, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 67,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6724, 25.9860, 97.0582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 67, 255) }
```

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

```
.background{ background-color: rgb(217, 67,  
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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