

Converting Colors

XYZ(49.5553, 30.7896, 97.9389)

Have a look what the booklet for
XYZ(49.5553, 30.7896, 97.9389)
contains.

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Color

**XYZ(49.5787, 30.8223,
97.9440)**

Conversions

Conversions Part 1

Format	Color
Hex	D268FF
RGB	210, 104, 255
RGB Percent	82%, 41%, 100%
CMY	0.1765, 0.5921, 0.0000
CMYK	0.18, 0.59, 0.00, 0.00
HSL	282°, 100%, 70%
HSV	282°, 59%, 100%
XYZ	49.5787, 30.8223, 97.9440
YIQ	152.9080, 14.7050, 69.4330

Conversions

Conversions Part 2

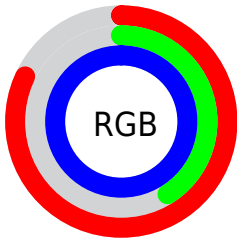
Format	Color
R _{YB}	210, 104, 255
Decimal	13789439
CIE Lab	62.36, 64.74, -57.97
CIE LCh	62, 86.901, 318.161
Yxy	30.8223, 0.2780, 0.1728
Android (android.graphics.Color)	4291979519 (0xFFD268FF)
YUV	152.9080, 50.3314, 50.0697
Hunter-Lab	55.5178, 62.2484, -65.7363

Details

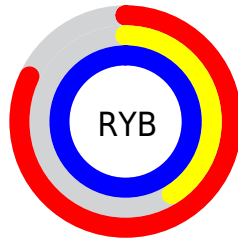
The XYZ color **49.5787, 30.8223, 97.9440** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.6536, 78.9093, 25.6591**, and the grayscale version is **30.0232, 31.5868, 34.3980**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **24.0435, 12.7396, 54.0151** is the 20% darker color. If you saturate the color by 10%, you get **45.2768, 25.3536, 97.1151**, and if you desaturate by 10%, it is **54.7613, 37.8978, 99.0365**.

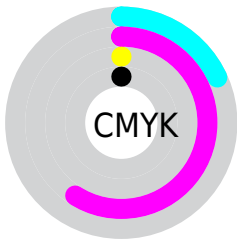
Distribution



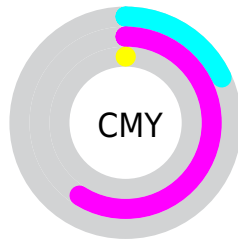
- Red (82%)
- Green (41%)
- Blue (100%)



- Red (82%)
- Yellow (41%)
- Blue (100%)



- Cyan (18%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5787, 30.8223, 97.9440 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 49.5787, 30.8223, 97.9440 by changing the saturation by 10% instead.


 49.5787, 30.8223,
97.9440

 49.5787, 30.8223,
97.9440


375.4954,
305.7188, 574.7709

 35.2952, 20.4636,
73.9773


 88.7459, 60.9602,
160.3560

 24.0579, 12.7325,
54.2788


 114.3603, 81.5081,
199.6385

 15.5016, 7.2446,
38.4299


 144.4824,
106.2213, 244.8632

 9.2607, 3.6155,
26.0121

 179.4775,
135.4840, 296.4489

 4.9701, 1.4609,
16.6068

219.7110,
169.6808, 354.8139

 2.2643, 0.2610,
9.7956

265.5483,

 0.7763, 0.0000,

209.1959, 420.3769

5.1598

317.3546,
254.4138, 493.5564

■ 0.0000, 0.0000,
2.2810

■ 0.0000, 0.0000,
0.7205

■ 49.5787, 30.8223,
97.9440

■ 49.5787, 30.8223,
97.9440

■ 45.2768, 25.3536,
97.1151

■ 54.7613, 37.8978,
99.0365

■ 41.7785, 21.3427,
96.5253

■ 60.8860, 46.7039,
100.4135

■ 38.9974, 18.6179,
96.1460

■ 68.0122, 57.3565,
102.0940

■ 36.8026, 16.9196,
95.9338

■ 76.1931, 69.9598,
104.0955

■ 36.6425, 16.8048,
95.9201

■ 85.4780, 84.6106,
106.4340

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.



36.9244, 30.8223, 140.3678



49.5787, 30.8223, 97.9440



57.4687, 30.8223, 48.6769

Triad

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



49.5787, 30.8223, 97.9440



34.1840, 30.8223, 1.7061



12.6342, 30.8223, 58.0637

Complementary

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



49.5787, 30.8223, 97.9440



50.6536, 78.9093, 25.6591

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.



12.2693, 30.8223, 21.9502



49.5787, 30.8223, 97.9440



22.7975, 30.8223, 1.9726

Square

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



49.5787, 30.8223, 97.9440



47.1161, 30.8223, 4.7399



15.4716, 30.8223, 6.2459



16.6527, 30.8223, 108.6254

Rectangle

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



49.5787, 30.8223, 97.9440



57.8644, 30.8223, 25.1805



15.4716, 30.8223, 6.2459



12.1287, 30.8223, 43.6190

Sweetspot

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



49.5798, 30.8235, 97.9441



77.2605, 71.6274, 104.3612



34.5548, 31.7542, 98.9157



15.9952, 14.4865, 22.2031



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.



49.5798, 30.8235, 97.9441



44.5953, 24.5348, 96.9930



59.7542, 36.5869, 75.0044



18.2347, 18.0127, 22.7657



19.3040, 8.8621, 50.1277



1.9896, 0.9196, 4.8859

Inverse Universe

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



51.6157, 33.3314, 32.1476



47.5754, 27.7069, 23.2293



45.7867, 76.1902, 34.9217



18.2321, 18.0762, 19.8394



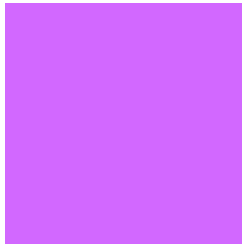
22.2871, 11.4041, 4.8966



2.2157, 1.1286, 0.7171

Previews

White Background



This preview shows how the XYZ color 49.5787, 30.8223, 97.9440 looks on a white background.

Color Contrast Check

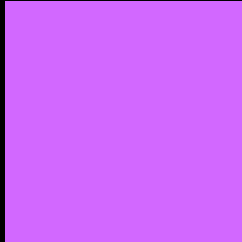
Large Text (above 18pt) WCAG AA × Fail

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 49.5787, 30.8223, 97.9440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

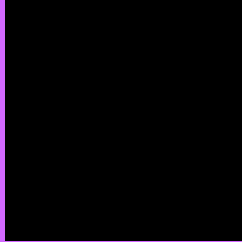
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.5787, 30.8223, 97.9440

Background



This preview shows how black text looks on a background with the XYZ color 49.5787, 30.8223, 97.9440.



This preview shows how white text looks on a background with the XYZ color 49.5787, 30.8223,

97.9440.

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

49.5787, 30.8223, 97.9440

Protanopia

34.3488, 31.3429, 98.8471

Deuteranopia

32.2764, 31.3856, 91.5457



Tritanopia

35.7671, 30.7097, 30.8305

Trichromacy



Original Color

49.5787, 30.8223, 97.9440



Protanomaly

37.6290, 29.5622, 98.3305



Deuteranomaly

35.7545, 29.3184, 93.3971



Tritanomaly

39.5178, 30.0602, 49.6183

Monochromacy



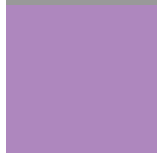
Original Color

49.5787, 30.8223, 97.9440



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

35.4138, 30.0443, 52.6478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5787, 30.8223, 97.9440 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(210, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 104, 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(210, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 104, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.5787, 30.8223, 97.9440 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(210, 104, 255) }
```


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

```
.border{ border-color:rgb(210, 104, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 104,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5787, 30.8223, 97.9440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 104, 255) }
```

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

```
.background{ background-color: rgb(210,  
104, 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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