

Converting Colors

XYZ(50.9446, 32.4541, 92.2464)

Have a look what the booklet for
XYZ(50.9446, 32.4541, 92.2464)
contains.

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Color

**XYZ(51.0272, 32.4663,
92.3841)**

Conversions

Conversions Part 1

Format	Color
Hex	D96DF8
RGB	217, 109, 248
RGB Percent	85%, 43%, 97%
CMY	0.1490, 0.5725, 0.0274
CMYK	0.12, 0.56, 0.00, 0.03
HSL	287°, 91%, 70%
HSV	287°, 56%, 97%
XYZ	51.0272, 32.4663, 92.3841
YIQ	157.1380, 19.7490, 66.1250

Conversions

Conversions Part 2

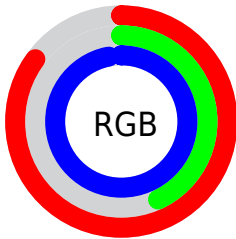
Format	Color
R _{YB}	217, 109, 248
Decimal	14249464
CIE _{Lab}	63.73, 62.72, -51.88
CIE _{LCh}	64, 81.400, 320.405
Yxy	32.4663, 0.2901, 0.1846
Android (android.graphics.Color)	4292439544 (0xFFD96DF8)
YUV	157.1380, 44.7950, 52.4990
Hunter-Lab	56.9792, 60.1404, -56.2453

Details

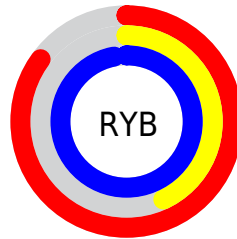
The XYZ color **51.0272, 32.4663, 92.3841** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **47.1438, 73.8151, 26.2323**, and the grayscale version is **31.9097, 33.5715, 36.5594**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **24.9751, 13.6787, 50.6141** is the 20% darker color. If you saturate the color by 10%, you get **47.1288, 27.0684, 91.5482**, and if you desaturate by 10%, it is **55.7292, 39.3875, 93.4727**.

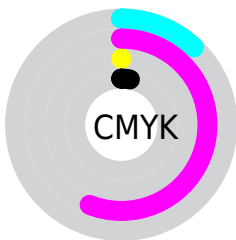
Distribution



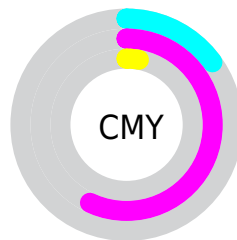
- Red (85%)
- Green (43%)
- Blue (97%)



- Red (85%)
- Yellow (43%)
- Blue (97%)



- Cyan (12%)
- Magenta (56%)
- Yellow (0%)
- Black (3%)





- Cyan (15%)
- Magenta (57%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0272, 32.4663, 92.3841 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 51.0272, 32.4663, 92.3841 by changing the saturation by 10% instead.


 51.0272, 32.4663,
92.3841

 51.0272, 32.4663,
92.3841


381.0554,
313.2380, 556.5251


 36.4514, 21.7179,
69.3749


 90.8777, 63.5414,
152.6099


 24.9547, 13.6498,
50.5434

 116.8832, 84.6369,
190.6637

 16.1719, 7.8775,
35.4712


 147.4292,
109.9502, 234.5693

 9.7375, 4.0167,
23.7396

 182.8811,
139.8657, 284.7454

 5.2862, 1.6829,
14.9302

223.6043,
174.7679, 341.6105

 2.4526, 0.4125,
8.6243

269.9642,

 0.8714, 0.0000,

215.0410, 405.5831

4.4035

322.3261,
261.0696, 477.0818

■ 0.0000, 0.0000,
1.8492

■ 0.0000, 0.0000,
0.4601

■ 51.0272, 32.4663,
92.3841

■ 51.0272, 32.4663,
92.3841

■ 47.1288, 27.0684,
91.5482

■ 55.7292, 39.3875,
93.4727

■ 43.9653, 23.0603,
90.9413


■ 61.2888, 47.9423,
94.8309


■ 41.4619, 20.2921,
90.5389


■ 67.7592, 58.2354,
96.4767


■ 39.5242, 18.5762,
90.3098

■ 75.1882, 70.3616,
98.4257

 38.8574, 18.0744,
90.2481

 83.6200, 84.4086,
100.6927

 92.1948, 98.6559,
102.9907

 93.9434, 99.5573,
103.0726

Harmonies

Analogous

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



39.1524, 32.4663, 132.9221



51.0272, 32.4663, 92.3841



57.9226, 32.4663, 46.8852

Triad

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



51.0272, 32.4663, 92.3841



34.6595, 32.4663, 2.5469



14.5311, 32.4663, 62.0778

Complementary

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



51.0272, 32.4663, 92.3841



47.1438, 73.8151, 26.2323

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.



13.8935, 32.4663, 25.8818



51.0272, 32.4663, 92.3841



23.8269, 32.4663, 3.1148

Square

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



51.0272, 32.4663, 92.3841



47.0504, 32.4663, 5.6812



16.8576, 32.4663, 8.5304



18.8860, 32.4663, 109.1832

Rectangle

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



51.0272, 32.4663, 92.3841



57.8407, 32.4663, 25.1779



16.8576, 32.4663, 8.5304



13.9252, 32.4663, 47.9488

Sweetspot

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



51.0284, 32.4677, 92.3848



79.2783, 73.6045, 104.6364



32.8400, 29.2077, 92.7142



16.6144, 15.1721, 22.3028



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.



51.0284, 32.4677, 92.3848



49.8169, 28.3200, 97.4484



55.9305, 35.5947, 65.5079



17.5922, 17.3179, 21.8008



21.1168, 9.8288, 48.7577



2.0456, 0.9566, 4.5200

Inverse Universe

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



48.9146, 32.7883, 28.5627



47.9505, 29.0354, 21.5715



45.0686, 72.4642, 38.8344



17.4031, 17.2886, 18.7124



21.3313, 10.9483, 3.1872



2.0137, 1.0292, 0.4956

Previews

White Background



This preview shows how the XYZ color 51.0272, 32.4663, 92.3841 looks on a white background.

Color Contrast Check

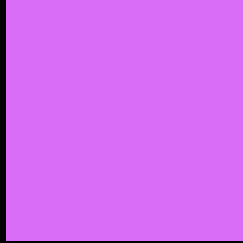
Large Text (above 18pt) WCAG AA × Fail

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 51.0272, 32.4663, 92.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

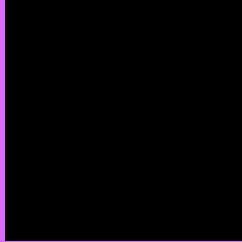
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.0272, 32.4663, 92.3841

Background



This preview shows how black text looks on a background with the XYZ color 51.0272, 32.4663, 92.3841.

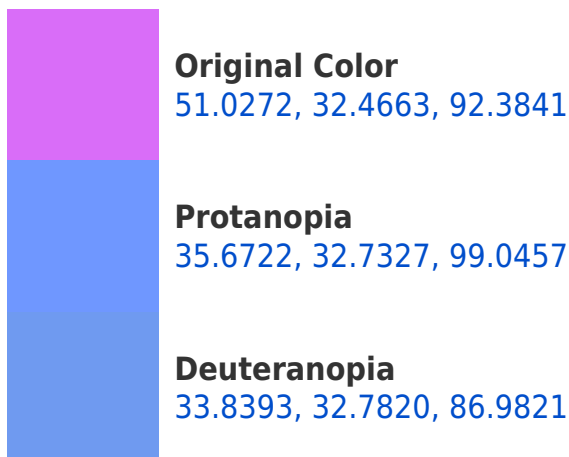


This preview shows how white text looks on a background with the XYZ color 51.0272, 32.4663,

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





Tritanopia

38.6211, 32.3802, 31.4086

Trichromacy



Original Color

51.0272, 32.4663, 92.3841



Protanomaly

38.9525, 31.1206, 96.0493



Deuteranomaly

37.8438, 31.1321, 88.8085



Tritanomaly

42.0205, 31.7505, 48.7135

Monochromacy



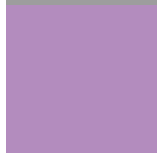
Original Color

51.0272, 32.4663, 92.3841



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

37.2628, 32.0576, 52.9390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0272, 32.4663, 92.3841 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, 109, 248)` looks like.

```
.text, #text, p{  
    color:rgb(217, 109, 248)  
}
```

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, 109, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 109, 248) }
```

Border

The CSS property to change the border of an element to XYZ 51.0272, 32.4663, 92.3841 is called "border". The border property can be set on classes, ids or directly on the HTML element.

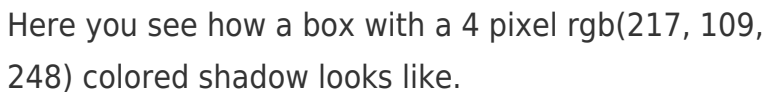
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 109, 248) }
```


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

```
.border{ border-color:rgb(217, 109, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 109, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 109, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 109, 248); box-shadow:4px 4px 4px 4px rgb(217, 109, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0272, 32.4663, 92.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 109, 248) }
```

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

```
.background{ background-color: rgb(217,  
109, 248) }
```

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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