

Converting Colors

XYZ(50.5940, 32.2419, 98.1645)

Have a look what the booklet for
XYZ(50.5940, 32.2419, 98.1645)
contains.

XYZ(50.4899, 32.2207, 98.1659)	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(50.4899, 32.2207,
98.1659)**

Conversions

Conversions Part 1

Format	Color
Hex	D36EFF
RGB	211, 110, 255
RGB Percent	83%, 43%, 100%
CMY	0.1725, 0.5686, 0.0000
CMYK	0.17, 0.57, 0.00, 0.00
HSL	282°, 100%, 72%
HSV	282°, 57%, 100%
XYZ	50.4899, 32.2207, 98.1659
YIQ	156.7290, 13.6510, 66.5070

Conversions

Conversions Part 2

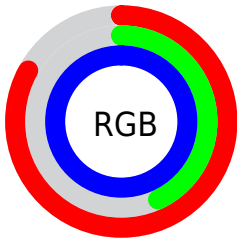
Format	Color
R _Y B	211, 110, 255
Decimal	13856511
CIE Lab	63.52, 62.16, -56.10
CIE LCh	64, 83.732, 317.935
Yxy	32.2207, 0.2791, 0.1781
Android (android.graphics.Color)	4292046591 (0xFFD36EFF)
YUV	156.7290, 48.4476, 47.5957
Hunter-Lab	56.7633, 59.4367, -62.8013

Details

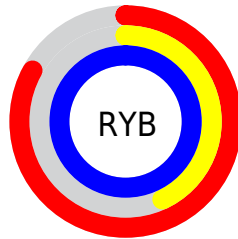
The XYZ color **50.4899, 32.2207, 98.1659** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **51.9013, 79.5160, 27.3656**, and the grayscale version is **31.7125, 33.3640, 36.3334**.

A 20% lighter version of the original color is **72.7451, 55.3903, 101.4650**, and **24.5341, 13.4419, 54.1248** is the 20% darker color. If you saturate the color by 10%, you get **45.9604, 26.3729, 97.2758**, and if you desaturate by 10%, it is **55.9198, 39.7087, 99.3250**.

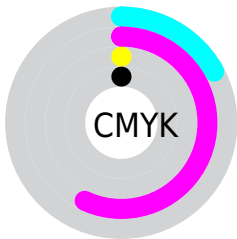
Distribution



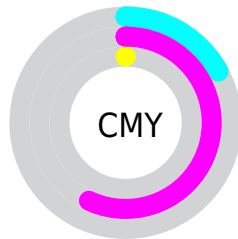
- Red (83%)
- Green (43%)
- Blue (100%)



- Red (83%)
- Yellow (43%)
- Blue (100%)



- Cyan (17%)
- Magenta (57%)
- Yellow (0%)
- Black (0%)





- Cyan (17%)
- Magenta (57%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4899, 32.2207, 98.1659 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 50.4899, 32.2207, 98.1659 by changing the saturation by 10% instead.


 50.4899, 32.2207,
98.1659

 50.4899, 32.2207,
98.1659


378.9991,
312.1234, 575.4926


 36.0222, 21.5301,
74.1614


 90.0878, 63.1569,
160.6642


 24.6215, 13.5121,
54.4285


 115.9487, 84.1714,
199.9951

 15.9225, 7.7821,
38.5489


 146.3381,
109.3959, 245.2719

 9.5599, 3.9558,
26.1038

 181.6212,
139.2148, 296.9131

 5.1681, 1.6489,
16.6749

222.1636,
174.0127, 355.3372

 2.3820, 0.3902,
9.8435

268.3304,

 0.8361, 0.0000,

214.1738, 420.9628

5.1910

320.4871,
260.0826, 494.2084

■ 0.0000, 0.0000,
2.2991

■ 0.0000, 0.0000,
0.7307

■ 50.4899, 32.2207,
98.1659

■ 50.4899, 32.2207,
98.1659

■ 45.9604, 26.3729,
97.2758

■ 55.9198, 39.7087,
99.3250

■ 42.2563, 22.0208,
96.6310

■ 62.3097, 48.9572,
100.7734

■ 39.2952, 19.0006,
96.2041

■ 69.7178, 60.0794,
102.5297

■ 36.9714, 17.1033,
95.9604

■ 78.1964, 73.1779,
104.6111

■ 36.3238, 16.6405,
95.9052

■ 87.7940, 88.3475,
107.0333

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.



38.0686, 32.2207, 138.6435



50.4899, 32.2207, 98.1659



58.2317, 32.2207, 50.3053

Triad

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



50.4899, 32.2207, 98.1659



35.5594, 32.2207, 2.2928



13.8507, 32.2207, 58.8306

Complementary

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



50.4899, 32.2207, 98.1659



51.9013, 79.5160, 27.3656

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.



13.5031, 32.2207, 23.2902



50.4899, 32.2207, 98.1659



24.2207, 32.2207, 2.5805

Square

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



50.4899, 32.2207, 98.1659



48.2557, 32.2207, 5.7304



16.8025, 32.2207, 7.2367



17.9154, 32.2207, 107.7007

Rectangle

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



50.4899, 32.2207, 98.1659



58.6639, 32.2207, 26.9369



16.8025, 32.2207, 7.2367



13.3411, 32.2207, 44.7249

Sweetspot

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



50.4911, 32.2220, 98.1660



78.0712, 72.9822, 104.5799



36.3558, 34.2851, 99.3093



16.3276, 15.0242, 22.2894



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.



50.4911, 32.2220, 98.1660



45.4983, 25.8046, 97.1905



60.8780, 38.0373, 77.8363



18.2247, 18.0076, 22.7652



19.1387, 8.7769, 50.1200



1.9745, 0.9118, 4.8852

Inverse Universe

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



52.6492, 34.7458, 34.5041



48.5454, 28.9617, 25.6649



46.6766, 76.6295, 35.8426



18.2362, 18.0778, 19.8612



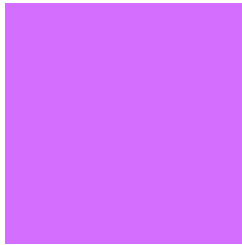
22.3133, 11.4146, 5.0345



2.2186, 1.1298, 0.7328

Previews

White Background



This preview shows how the XYZ color 50.4899, 32.2207, 98.1659 looks on a white background.

Color Contrast Check

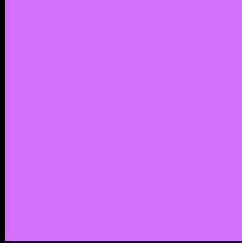
Large Text (above 18pt) WCAG AA × Fail

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 50.4899, 32.2207, 98.1659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

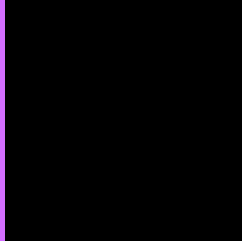
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4899, 32.2207, 98.1659

Background



This preview shows how black text looks on a background with the XYZ color 50.4899, 32.2207, 98.1659.



This preview shows how white text looks on a background with the XYZ color 50.4899, 32.2207,

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

50.4899, 32.2207, 98.1659

Protanopia

35.5470, 32.6682, 99.0398

Deuteranopia

33.5996, 32.5359, 92.5049



Tritanopia

37.0190, 31.9490, 32.6494

Trichromacy



Original Color

50.4899, 32.2207, 98.1659



Protanomaly

38.8868, 31.0314, 98.5478



Deuteranomaly

37.1590, 30.6545, 94.4009



Tritanomaly

40.8837, 31.4867, 51.4997

Monochromacy



Original Color

50.4899, 32.2207, 98.1659



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

37.1352, 31.9535, 54.6625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4899, 32.2207, 98.1659 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(211, 110, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 110, 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(211, 110, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 110, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.4899, 32.2207, 98.1659 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(211, 110, 255) }
```


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

```
.border{ border-color:rgb(211, 110, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 110, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 110, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 110, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 110,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4899, 32.2207, 98.1659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 110, 255) }
```

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

```
.background{ background-color: rgb(211,  
110, 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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