

Converting Colors

XYZ(32.8444, 25.2312, 57.4237)

Have a look what the booklet for
XYZ(32.8444, 25.2312, 57.4237)
contains.

XYZ(32.8185, 25.1709, 57.1616)	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(32.8185, 25.1709,
57.1616)**

Conversions

Conversions Part 1

Format	Color
Hex	A875C7
RGB	168, 117, 199
RGB Percent	66%, 46%, 78%
CMY	0.3412, 0.5412, 0.2196
CMYK	0.16, 0.41, 0.00, 0.22
HSL	277°, 42%, 62%
HSV	277°, 41%, 78%
XYZ	32.8185, 25.1709, 57.1616
YIQ	141.5970, 4.0740, 36.3140

Conversions

Conversions Part 2

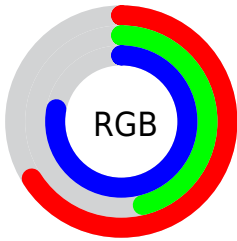
Format	Color
R_{YB}	168, 117, 199
Decimal	11040199
CIE Lab	57.24, 35.08, -35.06
CIE LCh	57, 49.598, 315.014
Yxy	25.1709, 0.2850, 0.2186
Android (android.graphics.Color)	4289230279 (0xFFA875C7)
YUV	141.5970, 28.2997, 23.1554
Hunter-Lab	50.1706, 28.9651, -32.4323

Details

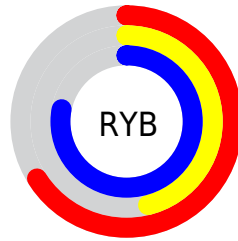
The XYZ color **32.8185, 25.1709, 57.1616** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.8478, 48.4277, 24.2888**, and the grayscale version is **25.4437, 26.7688, 29.1512**.

A 20% lighter version of the original color is **63.1652, 51.8167, 101.2802**, and **14.0574, 9.6361, 27.9071** is the 20% darker color. If you saturate the color by 10%, you get **29.1862, 20.2150, 56.3969**, and if you desaturate by 10%, it is **37.0381, 31.1623, 58.0961**.

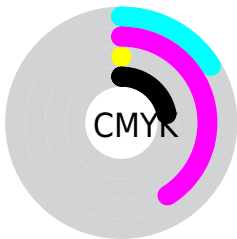
Distribution



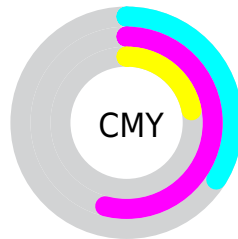
- Red (66%)
- Green (46%)
- Blue (78%)



- Red (66%)
- Yellow (46%)
- Blue (78%)



- Cyan (16%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)



- Cyan (34%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8185, 25.1709, 57.1616 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 32.8185, 25.1709, 57.1616 by changing the saturation by 10% instead.

■ 32.8185, 25.1709,
57.1616

■ 32.8185, 25.1709,
57.1616

306.5106,
278.6880, 431.5653

■ 22.1460, 16.2044,
40.7248

■ 63.4486, 51.9343,
102.2036

■ 14.0814, 9.6689,
27.7860

■ 84.1370, 70.5001,
131.6459

■ 8.2594, 5.1800,
17.9268

■ 108.8947, 93.0344,
166.2604

■ 4.3146, 2.3533,
10.7285

138.0871,
119.9216, 206.4657

■ 1.8816, 0.8017,
5.7727

172.0795,
151.5462, 252.6803

■ 0.5661, 0.0000,
2.6408

211.2373,

■ 0.0000, 0.0000,

188.2925, 305.3227

0.9134

255.9259,
230.5450, 364.8115

■ 0.0000, 0.0000,
0.0000

■ 32.8185, 25.1709,
57.1616

■ 32.8185, 25.1709,
57.1616

■ 29.1862, 20.2150,
56.3969

■ 37.0381, 31.1623,
58.0961

■ 26.1055, 16.2278,
55.7896

■ 41.8725, 38.2442,
59.2082

■ 23.5404, 13.1390,
55.3286

■ 47.3507, 46.4717,
60.5075

■ 21.4492, 10.8674,
55.0004

■ 53.4989, 55.8949,
62.0024

■ 19.7824, 9.3166,
54.7889

■ 60.3416, 66.5610,
63.7005

■ 18.5877, 8.3914,
54.6733

■ 67.9022, 78.5145,
65.6092

■ 75.7855, 90.9630,
67.5966

■ 78.1232, 92.1682,
67.7060

■ 80.5649, 93.4269,
67.8202

Harmonies

Analogous

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



26.9658, 25.1709, 71.9268



32.8185, 25.1709, 57.1616



36.5534, 25.1709, 36.6341

Triad

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



32.8185, 25.1709, 57.1616



26.9600, 25.1709, 6.5505



14.6022, 25.1709, 36.6528

Complementary

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



32.8185, 25.1709, 57.1616



35.8478, 48.4277, 24.2888

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.



14.6012, 25.1709, 19.8758



32.8185, 25.1709, 57.1616



21.1203, 25.1709, 6.5521

Square

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



32.8185, 25.1709, 57.1616



32.8136, 25.1709, 10.3237



16.8023, 25.1709, 10.3296



16.8054, 25.1709, 57.1801

Rectangle

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



32.8185, 25.1709, 57.1616



37.0067, 25.1709, 24.6801



16.8023, 25.1709, 10.3296



14.3577, 25.1709, 30.3274

Sweetspot

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



32.8194, 25.1719, 57.1622



81.9246, 79.8782, 105.7079



28.3038, 29.2224, 58.1820



17.2521, 16.6689, 22.5581



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.



32.8194, 25.1719, 57.1622



51.9851, 36.5741, 98.9273



39.1476, 28.5586, 51.8407



10.6796, 10.6086, 13.4023



12.0521, 5.4473, 35.1606



0.6493, 0.2984, 1.6685

Inverse Universe

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



35.2605, 27.0038, 31.3717



57.1938, 40.4244, 46.5334



31.5629, 46.1504, 27.1763



10.7970, 10.7022, 11.9142



16.0065, 8.1521, 5.2439



0.7930, 0.4000, 0.4332

Previews

White Background



This preview shows how the XYZ color 32.8185, 25.1709, 57.1616 looks on a white background.

Color Contrast Check

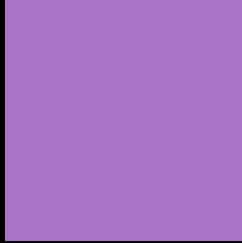
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8185, 25.1709, 57.1616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

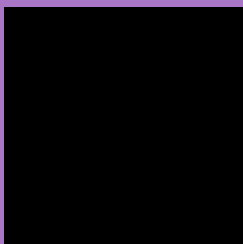
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8185, 25.1709, 57.1616

Background



This preview shows how black text looks on a background with the XYZ color 32.8185, 25.1709, 57.1616.



This preview shows how white text looks on a background with the XYZ color 32.8185, 25.1709,

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

32.8185, 25.1709, 57.1616

Protanopia

27.1082, 25.4342, 67.0989

Deuteranopia

25.9906, 25.3304, 55.1492



Tritanopia

27.0143, 25.2296, 28.2569

Trichromacy



Original Color

32.8185, 25.1709, 57.1616

Protanomaly

28.4337, 24.7876, 63.6075

Deuteranomaly

27.9674, 24.9203, 55.5606

Tritanomaly

28.6669, 24.9218, 37.0177

Monochromacy



Original Color

32.8185, 25.1709, 57.1616

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.7609, 25.9987, 38.2054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8185, 25.1709, 57.1616 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(168, 117, 199)` looks like.

```
.text, #text, p{  
    color:rgb(168, 117, 199)  
}
```

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(168, 117, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 117, 199) }
```

Border

The CSS property to change the border of an element to XYZ 32.8185, 25.1709, 57.1616 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(168, 117, 199) }
```


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

```
.border{ border-color:rgb(168, 117, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 117, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 117, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 117, 199);  
box-shadow:4px 4px 4px 4px rgb(168, 117,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8185, 25.1709, 57.1616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 117, 199) }
```

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

```
.background{ background-color: rgb(168,  
117, 199) }
```

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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