

Converting Colors

XYZ(32.5434, 28.3717, 64.0814)

Have a look what the booklet for
XYZ(32.5434, 28.3717, 64.0814)
contains.

XYZ(32.5670, 28.3210, 64.0716)	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(32.5670, 28.3210,
64.0716)**

Conversions

Conversions Part 1

Format	Color
Hex	9587D1
RGB	149, 135, 209
RGB Percent	58%, 53%, 82%
CMY	0.4157, 0.4706, 0.1804
CMYK	0.29, 0.35, 0.00, 0.18
HSL	251°, 45%, 67%
HSV	251°, 35%, 82%
XYZ	32.5670, 28.3210, 64.0716
YIQ	147.6220, -15.4100, 25.9820

Conversions

Conversions Part 2

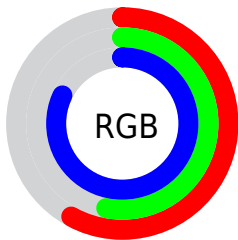
Format	Color
RYB	149, 135, 209
Decimal	9799633
CIELab	60.18, 21.53, -36.26
CIELCh	60, 42.165, 300.699
Yxy	28.3210, 0.2606, 0.2266
Android (android.graphics.Color)	4287989713 (0xFF9587D1)
YUV	147.6220, 30.2594, 1.2085
Hunter-Lab	53.2175, 16.1044, -34.1304

Details

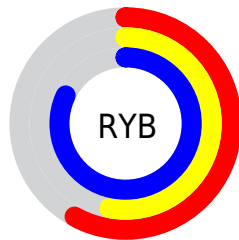
The XYZ color **32.5670, 28.3210, 64.0716** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.6801, 58.9529, 31.6835**, and the grayscale version is **27.8747, 29.3263, 31.9363**.

A 20% lighter version of the original color is **61.2101, 56.1656, 102.2227**, and **13.9051, 11.3169, 32.0233** is the 20% darker color. If you saturate the color by 10%, you get **27.0622, 21.5715, 63.0594**, and if you desaturate by 10%, it is **39.0960, 36.4494, 65.2969**.

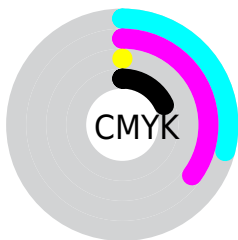
Distribution



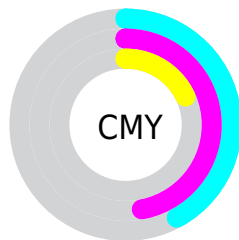
- Red (58%)
- Green (53%)
- Blue (82%)



- Red (58%)
- Yellow (53%)
- Blue (82%)



- Cyan (29%)
- Magenta (35%)
- Yellow (0%)
- Black (18%)



- Cyan (42%)
- Magenta (47%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5670, 28.3210, 64.0716 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 32.5670, 28.3210, 64.0716 by changing the saturation by 10% instead.

■ 32.5670, 28.3210,
64.0716

■ 32.5670, 28.3210,
64.0716

305.3937,
293.9976, 457.6627

■ 21.9526, 18.5678,
46.2621

■ 63.0581, 56.9965,
112.3145

■ 13.9385, 11.3584,
32.1026

■ 83.6656, 76.6876,
143.5850

■ 8.1593, 6.3084,
21.1744

■ 108.3347,
100.4601, 180.1796

■ 4.2497, 3.0335,
13.0590

137.4309,
128.6984, 222.5168

■ 1.8444, 1.1493,
7.3380

171.3196,
161.7869, 271.0152

■ 0.5442, 0.0197,
3.5927

210.3660,

■ 0.0000, 0.0000,

200.1100, 326.0933

1.4047

254.9356,
244.0521, 388.1696

■ 0.0000, 0.0000,
0.1454

■ 0.0000, 0.0000,
0.0000

■ 32.5670, 28.3210,
64.0716

■ 32.5670, 28.3210,
64.0716

■ 27.0622, 21.5715,
63.0594

■ 39.0960, 36.4494,
65.2969

■ 22.5257, 16.1202,
62.2463

■ 46.6954, 46.0245,
66.7446

■ 18.9005, 11.8833,
61.6196

■ 55.4119, 57.1136,
68.4256

■ 16.1223, 8.7655,
61.1642

■ 65.2888, 69.7789,
70.3496

■ 14.1179, 6.6568,
60.8629

■ 76.3668, 84.0790,
72.5260

■ 12.8003, 5.4241,
60.6944

■ 86.9368, 96.5731,
74.3805

■ 12.3660, 5.0454,
60.6442

■ 88.5087, 97.3835,
74.4541

Harmonies

Analogous

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



27.0449, 28.3210, 71.0862



32.5670, 28.3210, 64.0716



37.0119, 28.3210, 47.7746

Triad

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



32.5670, 28.3210, 64.0716



32.3190, 28.3210, 11.5118



17.8235, 28.3210, 31.2003

Complementary

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



32.5670, 28.3210, 64.0716



49.6801, 58.9529, 31.6835

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.



18.8500, 28.3210, 18.4661



32.5670, 28.3210, 64.0716



26.7920, 28.3210, 9.6530

Square

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



32.5670, 28.3210, 64.0716



36.8558, 28.3210, 18.0241



21.9637, 28.3210, 11.7005



18.9498, 28.3210, 48.6193

Rectangle

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



32.5670, 28.3210, 64.0716



38.5035, 28.3210, 35.8903



21.9637, 28.3210, 11.7005



17.9267, 28.3210, 26.2814

Sweetspot

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



32.5680, 28.3221, 64.0723



78.8675, 79.3296, 105.7631



41.1135, 48.9799, 67.6092



16.4870, 16.4794, 22.5618



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.



32.5680, 28.3221, 64.0723



44.8072, 36.7111, 99.3321



40.3181, 32.3174, 64.4350



11.3694, 11.5238, 14.8687



7.6866, 3.1429, 37.3940



0.4934, 0.2085, 2.0938

Inverse Universe

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



44.8096, 34.8244, 55.9906



66.7718, 48.3915, 84.2203



41.3605, 54.6640, 31.2941



12.2109, 11.9691, 14.3863



20.6891, 10.1485, 24.3327



1.1821, 0.5776, 1.4940

Previews

White Background



This preview shows how the XYZ color 32.5670, 28.3210, 64.0716 looks on a white background.

Color Contrast Check

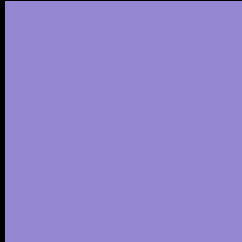
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5670, 28.3210, 64.0716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

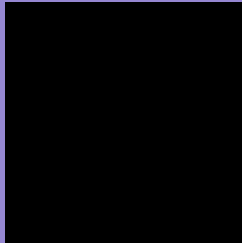
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.5670, 28.3210, 64.0716

Background



This preview shows how black text looks on a background with the XYZ color 32.5670, 28.3210, 64.0716.



This preview shows how white text looks on a background with the XYZ color 32.5670, 28.3210,

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

32.5670, 28.3210, 64.0716

Protanopia

29.8339, 28.5443, 68.2272

Deuteranopia

29.1209, 28.5165, 63.0009



Tritanopia

27.0121, 28.4811, 35.9720

Trichromacy



Original Color

32.5670, 28.3210, 64.0716

Protanomaly

30.7484, 28.3856, 66.8091

Deuteranomaly

30.2701, 28.4291, 63.5665

Tritanomaly

28.8372, 28.3202, 45.0208

Monochromacy



Original Color

32.5670, 28.3210, 64.0716

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.2909, 28.8431, 42.0537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5670, 28.3210, 64.0716 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(149, 135, 209)` looks like.

```
.text, #text, p{  
    color:rgb(149, 135, 209)  
}
```

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(149, 135, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 135, 209) }
```

Border

The CSS property to change the border of an element to XYZ 32.5670, 28.3210, 64.0716 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(149, 135, 209) }
```


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

```
.border{ border-color:rgb(149, 135, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 135, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 135, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 135, 209);  
box-shadow:4px 4px 4px 4px rgb(149, 135,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5670, 28.3210, 64.0716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 135, 209) }
```

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

```
.background{ background-color: rgb(149,  
135, 209) }
```

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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