

Converting Colors

XYZ(29.7995, 32.4918, 49.8288)

Have a look what the booklet for
XYZ(29.7995, 32.4918, 49.8288)
contains.

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Color

**XYZ(29.9318, 32.5815,
50.0587)**

Conversions

Conversions Part 1

Format	Color
Hex	819EB8
RGB	129, 158, 184
RGB Percent	51%, 62%, 72%
CMY	0.4941, 0.3804, 0.2784
CMYK	0.30, 0.14, 0.00, 0.28
HSL	208°, 28%, 61%
HSV	208°, 30%, 72%
XYZ	29.9318, 32.5815, 50.0587
YIQ	152.2930, -25.6300, 1.9380

Conversions

Conversions Part 2

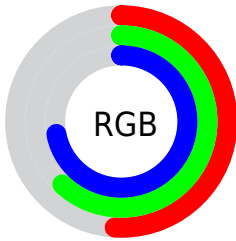
Format	Color
R _Y B	129, 148, 184
Decimal	8494776
CIE Lab	63.82, -3.88, -16.74
CIE LCh	64, 17.183, 256.949
Yxy	32.5815, 0.2659, 0.2894
Android (android.graphics.Color)	4286684856 (0xFF819EB8)
YUV	152.2930, 15.6316, -20.4280
Hunter-Lab	57.0802, -6.2883, -12.0405

Details

The XYZ color **29.9318, 32.5815, 50.0587** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.4514, 35.2183, 25.6990**, and the grayscale version is **29.9148, 31.4727, 34.2738**.

A 20% lighter version of the original color is **59.0509, 63.9470, 91.6688**, and **12.4963, 13.7738, 23.4727** is the 20% darker color. If you saturate the color by 10%, you get **25.9532, 28.4061, 49.4630**, and if you desaturate by 10%, it is **34.5207, 37.2290, 50.7144**.

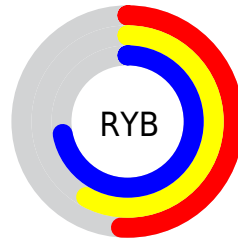
Distribution



Red (51%)

Green (62%)

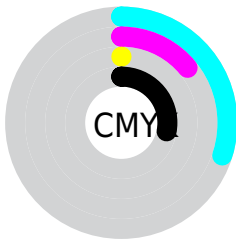
Blue (72%)



Red (51%)

Yellow (58%)

Blue (72%)

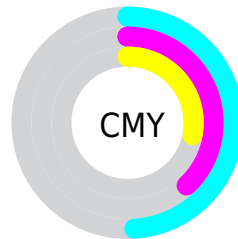


Cyan (30%)

Magenta (14%)

Yellow (0%)

Black (28%)



Cyan (49%)

Magenta (38%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9318, 32.5815, 50.0587 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 29.9318, 32.5815, 50.0587 by changing the saturation by 10% instead.

■ 29.9318, 32.5815,
50.0587

■ 29.9318, 32.5815,
50.0587

293.5020,
313.7597, 403.6371

■ 19.9346, 21.8060,
35.0885

■ 58.9417, 63.7216,
91.6590

■ 12.4555, 13.7145,
23.4470

■ 78.6851, 84.8550,
119.1263

■ 7.1291, 7.9223,
14.7155

■ 102.4080,
110.2099, 151.5963

■ 3.5900, 4.0453,
8.4756

130.4757,
140.1706, 189.4877

■ 1.4729, 1.6989,
4.3086

163.2536,
175.1215, 233.2189

■ 0.3073, 0.4230,
1.7961

201.1071,

■ 0.0000, 0.0000,

215.4471, 283.2085

0.4254

244.4014,
261.5317, 339.8751

■ 0.0000, 0.0000,
0.0000

■ 29.9318, 32.5815,
50.0587

■ 29.9318, 32.5815,
50.0587

■ 25.9532, 28.4061,
49.4630

■ 34.5207, 37.2290,
50.7144

■ 22.5528, 24.6807,
48.9232

■ 39.7440, 42.3617,
51.4299

■ 19.6997, 21.3868,
48.4378

■ 45.6281, 47.9971,
52.2075

■ 17.3588, 18.5029,
48.0045

■ 52.1968, 54.1505,
53.0490

■ 15.4903, 16.0051,
47.6208

■ 59.4729, 60.8363,
53.9560

■ 14.0478, 13.8655,
47.2839

■ 67.4780, 68.0685,
54.9300

■ 12.9400, 12.0334,
46.9886

■ 75.1940, 75.3250,
55.9240

■ 12.9287, 12.0145,
46.9856

■ 77.5212, 79.9795,
56.6997

■ 79.9688, 84.8746,
57.5156

Harmonies

Analogous

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



27.9072, 32.5815, 46.0987



29.9318, 32.5815, 50.0587



32.3401, 32.5815, 49.7649

Triad

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



29.9318, 32.5815, 50.0587



35.6214, 32.5815, 31.7412



27.6995, 32.5815, 27.1560

Complementary

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



29.9318, 32.5815, 50.0587



35.4514, 35.2183, 25.6990

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.



29.6347, 32.5815, 24.2226



29.9318, 32.5815, 50.0587



34.2442, 32.5815, 26.6245

Square

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



29.9318, 32.5815, 50.0587



35.7111, 32.5815, 38.5617



32.0273, 32.5815, 24.0416



26.6642, 32.5815, 32.5590

Rectangle

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



29.9318, 32.5815, 50.0587



33.8413, 32.5815, 47.1898



32.0273, 32.5815, 24.0416



28.2616, 32.5815, 25.8808

Sweetspot

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



29.9328, 32.5828, 50.0595



72.7936, 77.5155, 93.3300



32.0829, 41.3041, 37.1461



15.3788, 16.4063, 20.0778



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.9328, 32.5828, 50.0595



49.3003, 53.8908, 90.0082



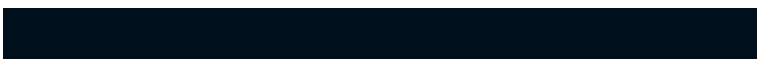
25.7997, 24.3165, 48.6817



8.9025, 9.4822, 11.4405



8.9816, 8.4229, 32.4055



0.3781, 0.4198, 1.1629

Inverse Universe

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



33.7898, 28.3603, 36.0423



57.5899, 45.5084, 59.7265



40.4923, 45.3002, 27.3793



9.1971, 9.0892, 10.3855



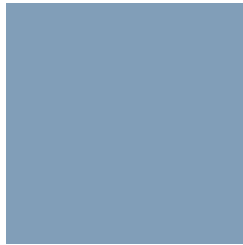
15.1472, 7.6326, 8.6618



0.5650, 0.2815, 0.4687

Previews

White Background



This preview shows how the XYZ color 29.9318, 32.5815, 50.0587 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 29.9318, 32.5815, 50.0587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

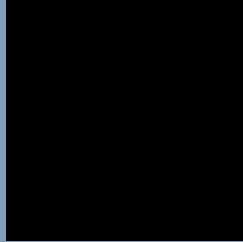
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

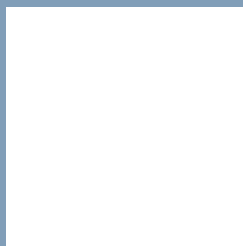
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9318, 32.5815, 50.0587

Background



This preview shows how black text looks on a background with the XYZ color 29.9318, 32.5815, 50.0587.



This preview shows how white text looks on a background with the XYZ color 29.9318, 32.5815,

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

29.9318, 32.5815, 50.0587

Protanopia

32.1261, 32.5082, 48.2975

Deuteranopia

33.2560, 32.5484, 50.9841



Tritanopia

28.8660, 32.6708, 44.3198

Trichromacy



Original Color

29.9318, 32.5815, 50.0587

Protanomaly

31.3202, 32.5709, 48.8920

Deuteranomaly

31.9896, 32.6337, 50.5118

Tritanomaly

29.2360, 32.5598, 46.3387

Monochromacy



Original Color

29.9318, 32.5815, 50.0587

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7580, 31.7208, 39.6763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9318, 32.5815, 50.0587 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(129, 158, 184)` looks like.

```
.text, #text, p{  
    color:rgb(129, 158, 184)  
}
```

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(129, 158, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 158, 184) }
```

Border

The CSS property to change the border of an element to XYZ 29.9318, 32.5815, 50.0587 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(129, 158, 184) }
```


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

```
.border{ border-color:rgb(129, 158, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 158, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 158, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 158, 184);  
box-shadow:4px 4px 4px 4px rgb(129, 158,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9318, 32.5815, 50.0587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 158, 184) }
```

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

```
.background{ background-color: rgb(129,  
158, 184) }
```

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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