

Converting Colors

XYZ(33.6016, 32.3722, 75.1880)

Have a look what the booklet for
XYZ(33.6016, 32.3722, 75.1880)
contains.

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Color

**XYZ(33.5849, 32.4275,
75.0100)**

Conversions

Conversions Part 1

Format	Color
Hex	8098E0
RGB	128, 152, 224
RGB Percent	50%, 60%, 88%
CMY	0.4980, 0.4039, 0.1216
CMYK	0.43, 0.32, 0.00, 0.12
HSL	225°, 61%, 69%
HSV	225°, 43%, 88%
XYZ	33.5849, 32.4275, 75.0100
YIQ	153.0320, -37.4160, 17.3040

Conversions

Conversions Part 2

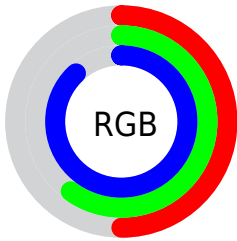
Format	Color
R_{YB}	128, 147, 224
Decimal	8427744
CIE Lab	63.69, 9.97, -39.23
CIE LCh	64, 40.481, 284.264
Yxy	32.4275, 0.2382, 0.2299
Android (android.graphics.Color)	4286617824 (0xFF8098E0)
YUV	153.0320, 34.9872, -21.9531
Hunter-Lab	56.9451, 5.6211, -38.2371

Details

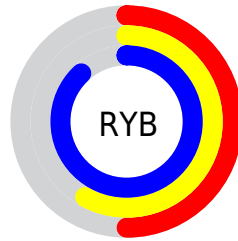
The XYZ color **33.5849, 32.4275, 75.0100** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.2922, 58.7159, 28.8427**, and the grayscale version is **30.1575, 31.7280, 34.5518**.

A 20% lighter version of the original color is **59.8885, 61.5530, 103.3322**, and **14.4692, 13.5510, 38.8988** is the 20% darker color. If you saturate the color by 10%, you get **28.0438, 25.8063, 74.0246**, and if you desaturate by 10%, it is **40.2582, 40.2070, 76.1605**.

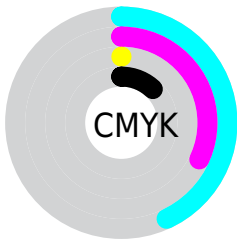
Distribution



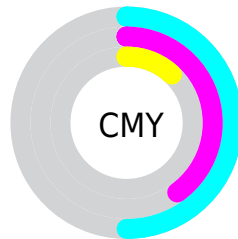
- Red (50%)
- Green (60%)
- Blue (88%)



- Red (50%)
- Yellow (58%)
- Blue (88%)



- Cyan (43%)
- Magenta (32%)
- Yellow (0%)
- Black (12%)



- Cyan (50%)
- Magenta (40%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5849, 32.4275, 75.0100 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 33.5849, 32.4275, 75.0100 by changing the saturation by 10% instead.

■ 33.5849, 32.4275,
75.0100

■ 33.5849, 32.4275,
75.0100

309.8957,
313.0621, 497.2083

■ 22.7363, 21.6882,
55.1193

■ 64.6362, 63.4807,
128.0737

■ 14.5185, 13.6280,
39.0980

■ 85.5696, 84.5634,
162.0839

■ 8.5663, 7.8624,
26.5276

■ 110.5953,
109.8627, 201.6376

■ 4.5142, 4.0070,
16.9894

140.0787,
139.7630, 247.1533

■ 1.9970, 1.6775,
10.0651

174.3850,
174.6487, 299.0498

■ 0.6323, 0.4090,
5.3360

213.8798,

■ 0.0000, 0.0000,

214.9042, 357.7454

2.3835

258.9282,
260.9138, 423.6587

■ 0.0000, 0.0000,
0.7775

■ 0.0000, 0.0000,
0.0000

■ 33.5849, 32.4275,
75.0100

■ 33.5849, 32.4275,
75.0100

■ 28.0438, 25.8063,
74.0246

■ 40.2582, 40.2070,
76.1605

■ 23.5659, 20.2819,
73.1943

■ 48.1205, 49.1947,
77.4809

■ 20.0794, 15.7924,
72.5115

■ 57.2286, 59.4419,
78.9788

■ 17.5018, 12.2674,
71.9670

■ 67.6348, 70.9958,
80.6604

■ 15.7356, 9.6264,
71.5503

■ 79.3881, 83.9012,
82.5319

■ 14.8687, 8.2100,
71.3226

■ 89.7582, 96.7690,
84.4691

■ 90.4547, 98.1619,
84.7013

Harmonies

Analogous

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



27.9597, 32.4275, 74.6677



33.5849, 32.4275, 75.0100



39.0694, 32.4275, 62.7024

Triad

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



33.5849, 32.4275, 75.0100



39.3016, 32.4275, 17.6987



21.4780, 32.4275, 27.5030

Complementary

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



33.5849, 32.4275, 75.0100



55.2922, 58.7159, 28.8427

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.



23.8244, 32.4275, 17.3435



33.5849, 32.4275, 75.0100



33.8719, 32.4275, 12.9835

Square

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



33.5849, 32.4275, 75.0100



42.6339, 32.4275, 28.1636



28.2137, 32.4275, 12.8774



21.4211, 32.4275, 43.5688

Rectangle

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



33.5849, 32.4275, 75.0100



41.7158, 32.4275, 50.6659



28.2137, 32.4275, 12.8774



22.0109, 32.4275, 23.4171

Sweetspot

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



33.5861, 32.4287, 75.0108



76.4633, 79.3959, 105.9026



45.9842, 62.0715, 64.2020



15.7551, 16.3099, 22.5677



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.



33.5861, 32.4287, 75.0108



38.6353, 35.8465, 99.4905



34.1240, 27.4971, 74.0305



13.2291, 13.7972, 17.3536



8.7317, 4.9329, 41.5403



0.6757, 0.4828, 2.9028

Inverse Universe

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



44.1282, 33.5540, 33.8576



54.6925, 38.3647, 36.6276



54.3723, 67.1500, 30.5191



13.8471, 13.7565, 14.9649



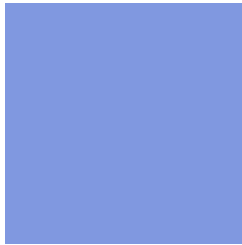
18.3475, 9.4060, 3.2300



1.3073, 0.6662, 0.4111

Previews

White Background



This preview shows how the XYZ color 33.5849, 32.4275, 75.0100 looks on a white background.

Color Contrast Check

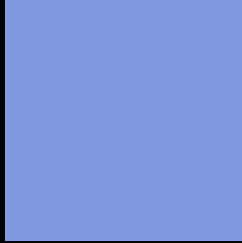
Large Text (above 18pt) WCAG AA × Fail

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 33.5849, 32.4275, 75.0100 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 33.5849, 32.4275, 75.0100

Background



This preview shows how black text looks on a background with the XYZ color 33.5849, 32.4275, 75.0100.



This preview shows how white text looks on a background with the XYZ color 33.5849, 32.4275,

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

33.5849, 32.4275, 75.0100

Protanopia

33.7271, 32.2609, 74.9704

Deuteranopia

33.3032, 32.5243, 75.0435



Tritanopia

27.7284, 32.5806, 45.3847

Trichromacy



Original Color

33.5849, 32.4275, 75.0100

Protanomaly

33.5744, 32.1822, 74.9632

Deuteranomaly

33.4500, 32.5999, 75.0504

Tritanomaly

29.5982, 32.2970, 55.1260

Monochromacy



Original Color

33.5849, 32.4275, 75.0100

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.0295, 31.9664, 47.1825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5849, 32.4275, 75.0100 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(128, 152, 224)` looks like.

```
.text, #text, p{  
    color:rgb(128, 152, 224)  
}
```

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(128, 152, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 152, 224) }
```

Border

The CSS property to change the border of an element to XYZ 33.5849, 32.4275, 75.0100 is called "border". The border property can be set on classes, ids or directly on the HTML element.

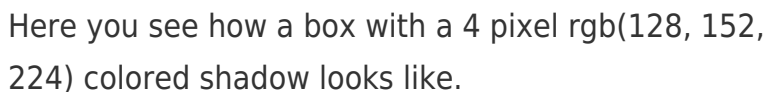
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 152, 224) }
```


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

```
.border{ border-color:rgb(128, 152, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 152, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 152, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 152, 224);  
box-shadow:4px 4px 4px 4px rgb(128, 152,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5849, 32.4275, 75.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 152, 224) }
```

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

```
.background{ background-color: rgb(128,  
152, 224) }
```

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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