

Converting Colors

XYZ(29.6585, 32.0083, 69.5808)

Have a look what the booklet for
XYZ(29.6585, 32.0083, 69.5808)
contains.

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Color

**XYZ(29.6585, 32.0083,
69.5808)**

Conversions

Conversions Part 1

Format	Color
Hex	629ED8
RGB	98, 158, 216
RGB Percent	38%, 62%, 85%
CMY	0.6157, 0.3804, 0.1529
CMYK	0.55, 0.27, 0.00, 0.15
HSL	209°, 60%, 62%
HSV	209°, 55%, 85%
XYZ	29.6585, 32.0083, 69.5808
YIQ	146.6720, -54.3780, 5.3180

Conversions

Conversions Part 2

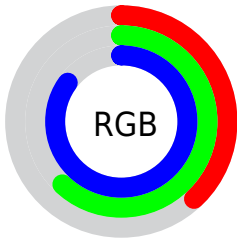
Format	Color
R _Y B	98, 138, 216
Decimal	6463192
CIE Lab	63.35, -2.89, -35.46
CIE LCh	63, 35.576, 265.342
Yxy	32.0083, 0.2260, 0.2439
Android (android.graphics.Color)	4284653272 (0xFF629ED8)
YUV	146.6720, 34.1787, -42.6853
Hunter-Lab	56.5759, -5.4336, -33.3157

Details

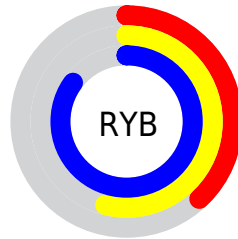
The XYZ color **29.6585, 32.0083, 69.5808** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.4131, 39.2591, 16.8989**, and the grayscale version is **27.4785, 28.9095, 31.4825**.

A 20% lighter version of the original color is **55.3038, 61.3749, 103.5395**, and **12.3179, 13.4119, 35.6578** is the 20% darker color. If you saturate the color by 10%, you get **25.9013, 27.4986, 68.9090**, and if you desaturate by 10%, it is **34.2032, 37.1574, 70.3358**.

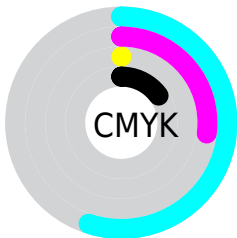
Distribution



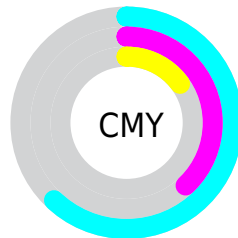
- Red (38%)
- Green (62%)
- Blue (85%)



- Red (38%)
- Yellow (54%)
- Blue (85%)



- Cyan (55%)
- Magenta (27%)
- Yellow (0%)
- Black (15%)



- Cyan (62%)
- Magenta (38%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6585, 32.0083, 69.5808 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 29.6585, 32.0083, 69.5808 by changing the saturation by 10% instead.

■ 29.6585, 32.0083,
69.5808

■ 29.6585, 32.0083,
69.5808

292.2479,
311.1571, 477.8260

■ 19.7263, 21.3678,
50.7102

■ 58.5120, 62.8241,
120.2863

■ 12.3034, 13.3931,
35.6029

■ 78.1641, 83.7682,
152.9582

■ 7.0243, 7.6998,
23.8404

■ 101.7868,
108.9157, 191.0676

■ 3.5238, 3.9035,
15.0042

■ 129.7456,
138.6509, 235.0330

■ 1.4364, 1.6197,
8.6756

162.4057,
173.3583, 285.2730

■ 0.2819, 0.3708,
4.4363

200.1325,

■ 0.0000, 0.0000,

213.4221, 342.2062

1.8676

243.2915,
259.2269, 406.2510

■ 0.0000, 0.0000,
0.4720

■ 0.0000, 0.0000,
0.0000

■ 29.6585, 32.0083,
69.5808

■ 29.6585, 32.0083,
69.5808

■ 25.9013, 27.4986,
68.9090

■ 34.2032, 37.1574,
70.3358

■ 22.8724, 23.5902,
68.3142

■ 39.5818, 42.9738,
71.1750

■ 20.5088, 20.2451,
67.7931

■ 45.8410, 49.4875,
72.1023

■ 18.7328, 17.4169,
67.3409

■ 53.0227, 56.7254,
73.1209

■ 17.9524, 16.0732,
67.1226

■ 61.1660, 64.7127,
74.2334

■ 70.3077, 73.4734,
75.4425

■ 80.4824, 83.0301,
76.7509

■ 85.6672, 90.2826,
77.8775

■ 88.9359, 96.8201,
78.9671

Harmonies

Analogous

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



25.3373, 32.0083, 62.3408



29.6585, 32.0083, 69.5808



34.6700, 32.0083, 65.6511

Triad

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



29.6585, 32.0083, 69.5808



39.8347, 32.0083, 24.4615



23.2630, 32.0083, 21.5638

Complementary

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



29.6585, 32.0083, 69.5808



42.4131, 39.2591, 16.8989

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.



26.5377, 32.0083, 15.6019



29.6585, 32.0083, 69.5808



36.1473, 32.0083, 16.9299

Square

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



29.6585, 32.0083, 69.5808



40.8999, 32.0083, 37.1064



31.2004, 32.0083, 14.1695



21.9079, 32.0083, 32.6900

Rectangle

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



29.6585, 32.0083, 69.5808



37.6878, 32.0083, 57.6674



31.2004, 32.0083, 14.1695



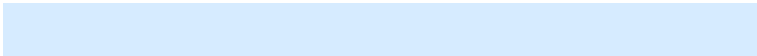
24.1574, 32.0083, 19.0215

Sweetspot

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



29.6596, 32.0094, 69.5816



75.5327, 80.9318, 106.2481



35.5131, 54.0769, 39.5925



15.6871, 16.8423, 22.6740



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.



29.6596, 32.0094, 69.5816



36.7576, 38.8419, 100.1677



21.9868, 16.6638, 67.0240



12.2594, 13.0421, 15.8088



10.7343, 9.7303, 39.7655



0.7302, 0.7524, 2.4261

Inverse Universe

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



38.8591, 25.8041, 35.2815



52.0969, 31.0171, 42.4098



54.5793, 63.5915, 20.9543



12.6841, 12.5251, 14.2768



18.4770, 9.3271, 9.8160



1.1562, 0.5793, 0.8121

Previews

White Background



This preview shows how the XYZ color 29.6585, 32.0083, 69.5808 looks on a white background.

Color Contrast Check

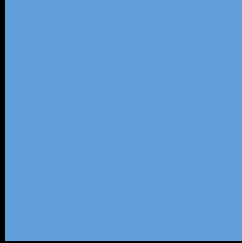
Large Text (above 18pt) WCAG AA × Fail

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 29.6585, 32.0083, 69.5808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

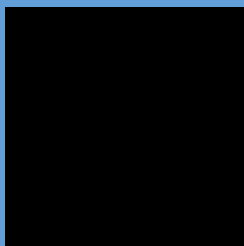
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

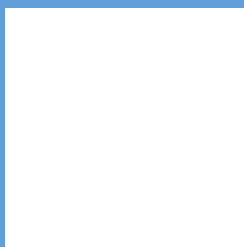
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6585, 32.0083, 69.5808

Background



This preview shows how black text looks on a background with the XYZ color 29.6585, 32.0083, 69.5808.

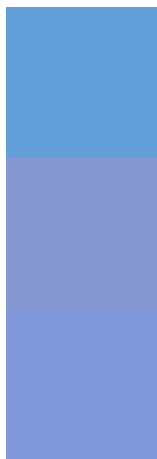


This preview shows how white text looks on a background with the XYZ color 29.6585, 32.0083,

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

29.6585, 32.0083, 69.5808

Protanopia

32.6911, 31.9373, 65.4143

Deuteranopia

32.6236, 31.7844, 70.7452



Tritanopia

25.1472, 32.0094, 46.9725

Trichromacy



Original Color

29.6585, 32.0083, 69.5808

Protanomaly

31.4653, 32.0022, 66.8060

Deuteranomaly

31.4161, 31.9029, 70.1477

Tritanomaly

26.5546, 31.7703, 54.6019

Monochromacy



Original Color

29.6585, 32.0083, 69.5808

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.5663, 29.7789, 43.3247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6585, 32.0083, 69.5808 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(98, 158, 216)` looks like.

```
.text, #text, p{  
    color:rgb(98, 158, 216)  
}
```

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(98, 158, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 158, 216) }
```

Border

The CSS property to change the border of an element to XYZ 29.6585, 32.0083, 69.5808 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(98, 158, 216) }
```


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

```
.border{ border-color:rgb(98, 158, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 158, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 158, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 158, 216);  
box-shadow:4px 4px 4px 4px rgb(98, 158,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6585, 32.0083, 69.5808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 158, 216) }
```

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

```
.background{ background-color: rgb(98, 158,  
216) }
```

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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