

Converting Colors

XYZ(28.2827, 32.1826, 59.1384)

Have a look what the booklet for
XYZ(28.2827, 32.1826, 59.1384)
contains.

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Color

**XYZ(28.4257, 32.3692,
59.3933)**

Conversions

Conversions Part 1

Format	Color
Hex	64A1C8
RGB	100, 161, 200
RGB Percent	39%, 63%, 78%
CMY	0.6078, 0.3686, 0.2157
CMYK	0.50, 0.19, 0.00, 0.22
HSL	203°, 48%, 59%
HSV	203°, 50%, 78%
XYZ	28.4257, 32.3692, 59.3933
YIQ	147.2070, -48.8750, -0.8030

Conversions

Conversions Part 2

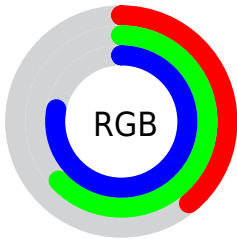
Format	Color
RYB	100, 138, 200
Decimal	6595016
CIELab	63.65, -8.94, -26.09
CIElCh	64, 27.579, 251.096
Yxy	32.3692, 0.2365, 0.2693
Android (android.graphics.Color)	4284785096 (0xFF64A1C8)
YUV	147.2070, 26.0269, -41.4005
Hunter-Lab	56.8939, -10.3811, -22.0689

Details

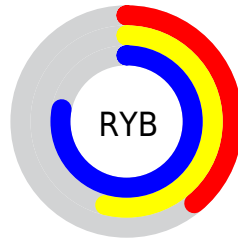
The XYZ color **28.4257, 32.3692, 59.3933** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **35.3531, 31.6657, 16.3064**, and the grayscale version is **27.7299, 29.1740, 31.7705**.

A 20% lighter version of the original color is **56.3162, 63.3997, 103.8769**, and **11.6787, 13.6986, 29.2227** is the 20% darker color. If you saturate the color by 10%, you get **25.1585, 28.7247, 58.8626**, and if you desaturate by 10%, it is **32.3230, 36.4661, 59.9793**.

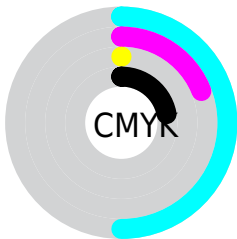
Distribution



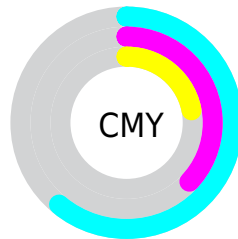
- Red (39%)
- Green (63%)
- Blue (78%)



- Red (39%)
- Yellow (54%)
- Blue (78%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (22%)



- Cyan (61%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4257, 32.3692, 59.3933 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 28.4257, 32.3692, 59.3933 by changing the saturation by 10% instead.

■ 28.4257, 32.3692,
59.3933

■ 28.4257, 32.3692,
59.3933

286.5388,
312.7977, 440.1003

■ 18.7889, 21.6437,
42.5077

■ 56.5673, 63.3894,
105.4838

■ 11.6209, 13.5953,
29.1705

■ 75.8028, 84.4529,
135.5258

■ 6.5565, 7.8397,
18.9632

■ 98.9685, 109.7311,
170.7904

■ 3.2302, 3.9926,
11.4671

■ 126.4299,
139.6085, 211.6960

■ 1.2766, 1.6694,
6.2638

158.5523,
174.4695, 258.6613

■ 0.1656, 0.4037,
2.9348

195.7010,

■ 0.0000, 0.0000,

214.6984, 312.1047

1.0614

238.2414,
260.6797, 372.4449

■ 0.0000, 0.0000,
0.0000

■ 28.4257, 32.3692,
59.3933

■ 28.4257, 32.3692,
59.3933

■ 25.1585, 28.7247,
58.8626

■ 32.3230, 36.4661,
59.9793

■ 22.4762, 25.5051,
58.3826

■ 36.8852, 41.0335,
60.6204

■ 20.3323, 22.6845,
57.9511

■ 42.1478, 46.0927,
61.3196

■ 18.6704, 20.2318,
57.5653

■ 48.1430, 51.6623,
62.0786

■ 17.3854, 18.0900,
57.2196

■ 54.9010, 57.7599,
62.8994

■ 17.3852, 18.0896,
57.2196

■ 62.4498, 64.4020,
63.7836

■ 70.8164, 71.6045,
64.7328

■ 78.1608, 78.4208,
65.6614

■ 80.2980, 82.6953,
66.3738

Harmonies

Analogous

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



25.5096, 32.3692, 51.1268



28.4257, 32.3692, 59.3933



32.2151, 32.3692, 60.4594

Triad

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



28.4257, 32.3692, 59.3933



38.6307, 32.3692, 31.3137



26.1449, 32.3692, 21.5414

Complementary

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



28.4257, 32.3692, 59.3933



35.3531, 31.6657, 16.3064

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.



29.3609, 32.3692, 18.2434



28.4257, 32.3692, 59.3933



36.6989, 32.3692, 23.0478

Square

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



28.4257, 32.3692, 59.3933



38.3274, 32.3692, 42.5817



33.2313, 32.3692, 18.7301



24.2708, 32.3692, 28.8027

Rectangle

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



28.4257, 32.3692, 59.3933



34.7566, 32.3692, 56.7347



33.2313, 32.3692, 18.7301



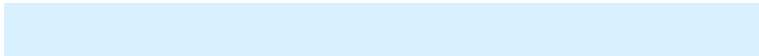
27.0931, 32.3692, 20.0087

Sweetspot

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



28.4268, 32.3704, 59.3941



77.7754, 84.3023, 106.7805



30.5223, 45.8633, 31.4164



16.1798, 17.6081, 22.7959



0.0000, 0.0000, 0.0000



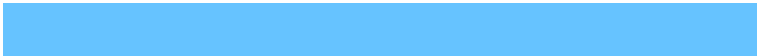
20.3446, 21.4041, 23.3091

Same Dimension

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



28.4268, 32.3704, 59.3941



43.1188, 49.2233, 101.8362



21.4393, 18.3955, 57.0649



10.5860, 11.3462, 13.5496



11.1432, 11.6803, 36.4116



0.5965, 0.6909, 1.7471

Inverse Universe

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



34.8105, 23.9679, 36.5110



55.8791, 34.7178, 55.5820



44.1750, 49.3093, 19.2470



10.9011, 10.7438, 12.4624



17.4239, 8.7191, 12.7080



0.8598, 0.4268, 0.7849

Previews

White Background



This preview shows how the XYZ color 28.4257, 32.3692, 59.3933 looks on a white background.

Color Contrast Check

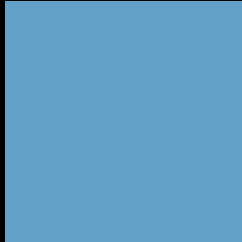
Large Text (above 18pt) WCAG AA × Fail

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 28.4257, 32.3692, 59.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

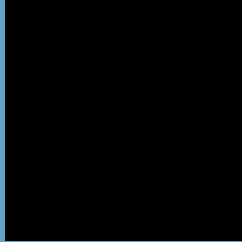
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.4257, 32.3692, 59.3933

Background



This preview shows how black text looks on a background with the XYZ color 28.4257, 32.3692, 59.3933.

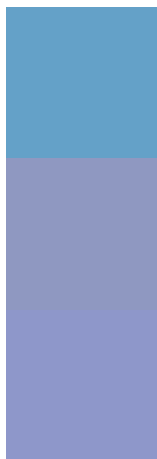


This preview shows how white text looks on a background with the XYZ color 28.4257, 32.3692,

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

28.4257, 32.3692, 59.3933

Protanopia

32.1816, 32.1464, 54.9608

Deuteranopia

32.8826, 32.1483, 60.3493



Tritanopia

26.0052, 32.4518, 47.0127

Trichromacy



Original Color

28.4257, 32.3692, 59.3933

Protanomaly

30.4375, 31.9402, 56.7854

Deuteranomaly

31.0164, 32.1718, 59.8334

Tritanomaly

26.9623, 32.5829, 51.3224

Monochromacy



Original Color

28.4257, 32.3692, 59.3933

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.3171, 29.9555, 40.4186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4257, 32.3692, 59.3933 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(100, 161, 200)` looks like.

```
.text, #text, p{  
    color:rgb(100, 161, 200)  
}
```

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(100, 161, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 161, 200) }
```

Border

The CSS property to change the border of an element to XYZ 28.4257, 32.3692, 59.3933 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(100, 161, 200) }
```


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

```
.border{ border-color:rgb(100, 161, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 161, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 161, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 161, 200);  
box-shadow:4px 4px 4px 4px rgb(100, 161,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4257, 32.3692, 59.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 161, 200) }
```

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

```
.background{ background-color: rgb(100,  
161, 200) }
```

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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