

Converting Colors

XYZ(27.9936, 34.2424, 67.6177)

Have a look what the booklet for
XYZ(27.9936, 34.2424, 67.6177)
contains.

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Color

**XYZ(27.8753, 34.0592,
67.3923)**

Conversions

Conversions Part 1

Format	Color
Hex	3BA9D4
RGB	59, 169, 212
RGB Percent	23%, 66%, 83%
CMY	0.7686, 0.3372, 0.1686
CMYK	0.72, 0.20, 0.00, 0.17
HSL	197°, 64%, 53%
HSV	197°, 72%, 83%
XYZ	27.8753, 34.0592, 67.3923
YIQ	141.0120, -79.3630, -9.9470

Conversions

Conversions Part 2

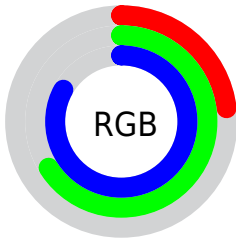
Format	Color
RYB	59, 123, 212
Decimal	3910100
CIELab	65.01, -16.98, -30.77
CIELCh	65, 35.146, 241.108
Yxy	34.0592, 0.2155, 0.2634
Android (android.graphics.Color)	4282100180 (0xFF3BA9D4)
YUV	141.0120, 34.9971, -71.9245
Hunter-Lab	58.3603, -16.8714, -27.6137

Details

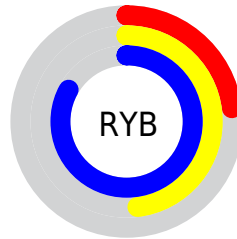
The XYZ color **27.8753, 34.0592, 67.3923** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **32.6937, 23.8178, 7.0133**, and the grayscale version is **25.2132, 26.5263, 28.8871**.

A 20% lighter version of the original color is **53.1631, 64.8913, 104.3310**, and **12.4471, 15.1569, 34.1678** is the 20% darker color. If you saturate the color by 10%, you get **25.7811, 31.3719, 66.9846**, and if you desaturate by 10%, it is **30.5322, 37.1128, 67.8423**.

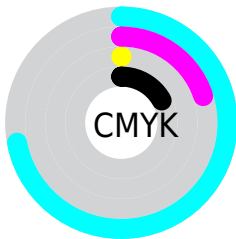
Distribution



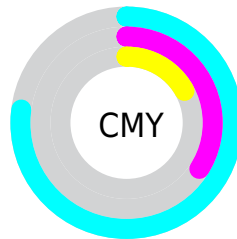
- Red (23%)
- Green (66%)
- Blue (83%)



- Red (23%)
- Yellow (48%)
- Blue (83%)



- Cyan (72%)
- Magenta (20%)
- Yellow (0%)
- Black (17%)



- Cyan (77%)
- Magenta (34%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8753, 34.0592, 67.3923 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 27.8753, 34.0592, 67.3923 by changing the saturation by 10% instead.

■ 27.8753, 34.0592,
67.3923

■ 27.8753, 34.0592,
67.3923

283.9615,
320.3959, 469.8793

■ 18.3717, 22.9391,
48.9399

■ 55.6953, 66.0257,
117.1283

■ 11.3184, 14.5485,
34.2065

■ 74.7424, 87.6409,
149.2491

■ 6.3503, 8.5032,
22.7737

■ 97.7014, 113.5232,
186.7630

■ 3.1019, 4.4186,
14.2228

■ 124.9375,
144.0571, 230.0886

■ 1.2079, 1.9103,
8.1352

■ 156.8163,
179.6269, 279.6445

■ 0.1126, 0.5546,
4.0926

193.7029,

■ 0.0000, 0.0000,

220.6171, 335.8493

1.6763

235.9629,
267.4120, 399.1214

■ 0.0000, 0.0000,
0.3444

■ 0.0000, 0.0000,
0.0000

■ 27.8753, 34.0592,
67.3923

■ 27.8753, 34.0592,
67.3923

■ 25.7811, 31.3719,
66.9846

■ 30.5322, 37.1128,
67.8423

■ 24.1795, 29.0119,
66.6135

■ 33.8042, 40.5589,
68.3350

■ 23.1798, 27.3455,
66.3446

■ 37.7410, 44.4246,
68.8737

■ 42.3862, 48.7333,
69.4605

■ 47.7794, 53.5064,
70.0976

■ 53.9572, 58.7636,
70.7867

■ 60.9537, 64.5235,
71.5297

■ 68.8010, 70.8034,
72.3283

■ 77.5292, 77.6197,
73.1839

Harmonies

Analogous

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



24.7034, 34.0592, 53.5107



27.8753, 34.0592, 67.3923



32.5617, 34.0592, 72.7073

Triad

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



27.8753, 34.0592, 67.3923



43.1621, 34.0592, 36.5457



27.5799, 34.0592, 17.9086

Complementary

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



27.8753, 34.0592, 67.3923



32.6937, 23.8178, 7.0133

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.



32.1835, 34.0592, 15.5460



27.8753, 34.0592, 67.3923



41.4836, 34.0592, 24.4196

Square

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



27.8753, 34.0592, 67.3923



41.7071, 34.0592, 52.3218



37.3286, 34.0592, 17.5773



24.5458, 34.0592, 25.1365

Rectangle

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



27.8753, 34.0592, 67.3923



36.0218, 34.0592, 69.8122



37.3286, 34.0592, 17.5773



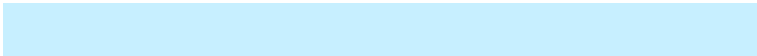
28.9779, 34.0592, 16.6190

Sweetspot

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



27.8765, 34.0604, 67.3931



72.5113, 81.2178, 106.4626



27.6390, 48.9340, 19.9965



15.0155, 16.9436, 22.7290



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.



27.8765, 34.0604, 67.3931



37.6741, 45.5301, 101.4103



17.7541, 13.8157, 64.0190



12.4835, 13.4904, 15.8835



14.3985, 17.0587, 40.9869



0.9368, 1.1657, 2.4949

Inverse Universe

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



35.8779, 19.9909, 39.5048



51.3744, 26.1906, 52.5937



43.5263, 45.4829, 10.6242



12.7972, 12.5704, 14.8725



20.3265, 10.0669, 19.5554



1.2605, 0.6210, 1.3613

Previews

White Background



This preview shows how the XYZ color 27.8753, 34.0592, 67.3923 looks on a white background.

Color Contrast Check

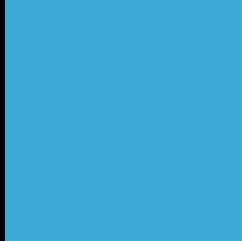
Large Text (above 18pt) WCAG AA × Fail

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 27.8753, 34.0592, 67.3923 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 27.8753, 34.0592, 67.3923

Background



This preview shows how black text looks on a background with the XYZ color 27.8753, 34.0592, 67.3923.



This preview shows how white text looks on a background with the XYZ color 27.8753, 34.0592,

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

27.8753, 34.0592, 67.3923

Protanopia

34.0591, 33.7267, 60.5919

Deuteranopia

34.4683, 33.7523, 68.9881



Tritanopia

24.7883, 33.9261, 52.2556

Trichromacy



Original Color

27.8753, 34.0592, 67.3923

Protanomaly

30.6508, 33.1753, 63.1805

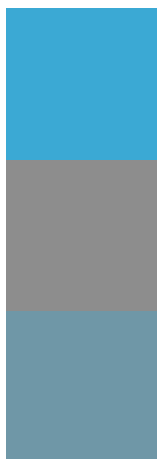
Deuteranomaly

31.0151, 33.2479, 68.4011

Tritanomaly

25.8886, 34.0949, 57.4411

Monochromacy



Original Color

27.8753, 34.0592, 67.3923

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.5972, 28.3027, 40.7258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8753, 34.0592, 67.3923 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(59, 169, 212)` looks like.

```
.text, #text, p{  
    color:rgb(59, 169, 212)  
}
```

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(59, 169, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 169, 212) }
```

Border

The CSS property to change the border of an element to XYZ 27.8753, 34.0592, 67.3923 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(59, 169, 212) }
```


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

```
.border{ border-color:rgb(59, 169, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 169, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 169, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 169, 212);  
box-shadow:4px 4px 4px 4px rgb(59, 169,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8753, 34.0592, 67.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 169, 212) }
```

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

```
.background{ background-color: rgb(59, 169,  
212) }
```

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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