

Converting Colors

XYZ(27.8451, 32.2134, 76.5477)

Have a look what the booklet for
XYZ(27.8451, 32.2134, 76.5477)
contains.

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Color

**XYZ(27.8634, 32.2208,
76.7022)**

Conversions

Conversions Part 1

Format	Color
Hex	2CA3E2
RGB	44, 163, 226
RGB Percent	17%, 64%, 89%
CMY	0.8274, 0.3608, 0.1137
CMYK	0.81, 0.28, 0.00, 0.11
HSL	201°, 76%, 53%
HSV	201°, 81%, 89%
XYZ	27.8634, 32.2208, 76.7022
YIQ	134.6010, -91.1470, -5.6350

Conversions

Conversions Part 2

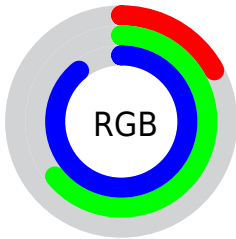
Format	Color
R _Y B	44, 116, 226
Decimal	2925538
CIE Lab	63.52, -10.63, -40.84
CIE LCh	64, 42.204, 255.413
Yxy	32.2208, 0.2037, 0.2356
Android (android.graphics.Color)	4281115618 (0xFF2CA3E2)
YUV	134.6010, 45.0597, -79.4571
Hunter-Lab	56.7634, -11.7157, -40.3820

Details

The XYZ color **27.8634, 32.2208, 76.7022** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **37.0788, 26.8700, 5.6168**, and the grayscale version is **22.7467, 23.9313, 26.0612**.

A 20% lighter version of the original color is **50.5926, 61.2144, 103.7568**, and **13.0499, 14.4906, 40.1394** is the 20% darker color. If you saturate the color by 10%, you get **25.7968, 29.1570, 76.2204**, and if you desaturate by 10%, it is **30.5462, 35.7308, 77.2390**.

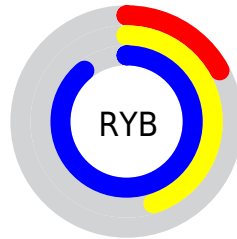
Distribution



Red (17%)

Green (64%)

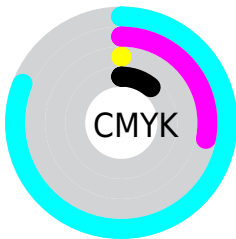
Blue (89%)



Red (17%)

Yellow (45%)

Blue (89%)

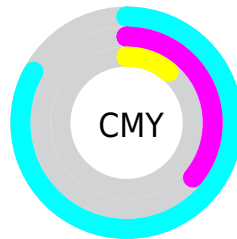


Cyan (81%)

Magenta (28%)

Yellow (0%)

Black (11%)



Cyan (83%)

Magenta (36%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8634, 32.2208, 76.7022 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 27.8634, 32.2208, 76.7022 by changing the saturation by 10% instead.

■ 27.8634, 32.2208,
76.7022

■ 27.8634, 32.2208,
76.7022

283.9055,
312.1238, 503.1587

■ 18.3626, 21.5302,
56.4984

■ 55.6764, 63.1571,
130.4882

■ 11.3119, 13.5121,
40.1960

■ 74.7195, 84.1715,
164.9074

■ 6.3459, 7.7821,
27.3764

■ 97.6739, 109.3961,
204.9023

■ 3.0992, 3.9559,
17.6212

■ 124.9052,
139.2151, 250.8912

■ 1.2064, 1.6489,
10.5118

■ 156.7786,
174.0130, 303.2928

■ 0.1114, 0.3902,
5.6295

193.6596,

■ 0.0000, 0.0000,

214.1742, 362.5255

2.5560

235.9135,
260.0830, 429.0080

■ 0.0000, 0.0000,
0.8696

■ 0.0000, 0.0000,
0.0000

■ 27.8634, 32.2208,
76.7022

■ 27.8634, 32.2208,
76.7022

■ 25.7968, 29.1570,
76.2204

■ 30.5462, 35.7308,
77.2390

■ 24.2804, 26.5966,
75.8061

■ 33.9183, 39.7255,
77.8323

■ 38.0454, 44.2413,
78.4864

■ 42.9839, 49.3096,
79.2044

■ 48.7847, 54.9587,
79.9890

■ 55.4942, 61.2143,
80.8429

■ 63.1553, 68.1008,
81.7683

■ 71.8081, 75.6405,
82.7676

■ 81.4901, 83.8549,
83.8428

Harmonies

Analogous

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



23.3506, 32.2208, 63.5828



27.8634, 32.2208, 76.7022



33.7308, 32.2208, 76.4988

Triad

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



27.8634, 32.2208, 76.7022



42.8757, 32.2208, 27.1580



23.2545, 32.2208, 16.9010

Complementary

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



27.8634, 32.2208, 76.7022



37.0788, 26.8700, 5.6168

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.



27.7158, 32.2208, 12.2024



27.8634, 32.2208, 76.7022



39.2719, 32.2208, 16.6989

Square

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



27.8634, 32.2208, 76.7022



42.9285, 32.2208, 43.8910



33.5631, 32.2208, 12.1427



20.9302, 32.2208, 27.5400

Rectangle

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



27.8634, 32.2208, 76.7022



37.6586, 32.2208, 68.6636



33.5631, 32.2208, 12.1427



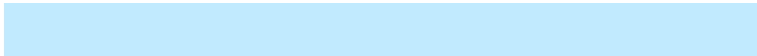
24.5266, 32.2208, 14.7495

Sweetspot

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



27.8646, 32.2219, 76.7030



69.6166, 77.4024, 105.8787



30.7695, 55.9424, 22.4546



14.2277, 15.9386, 22.5765



0.0000, 0.0000, 0.0000



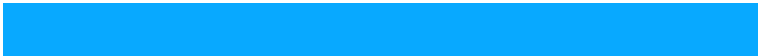
20.3446, 21.4041, 23.3091

Same Dimension

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



27.8646, 32.2219, 76.7030



32.4030, 35.7838, 99.8069



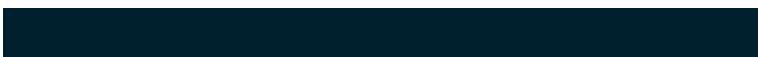
17.2392, 10.9712, 73.1612



13.6963, 14.7317, 17.5093



13.9667, 15.4030, 43.2853



1.0507, 1.2329, 3.0278

Inverse Universe

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



38.8767, 20.6160, 36.5814



48.5194, 24.3046, 39.8533



51.4850, 55.6823, 10.4189



14.0829, 13.8508, 16.2069



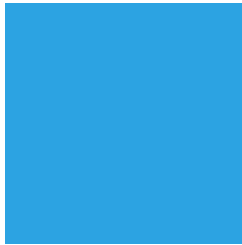
20.9900, 10.4630, 17.1447



1.4966, 0.7419, 1.4079

Previews

White Background



This preview shows how the XYZ color 27.8634, 32.2208, 76.7022 looks on a white background.

Color Contrast Check

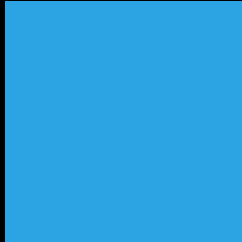
Large Text (above 18pt) WCAG AA × Fail

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 27.8634, 32.2208, 76.7022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

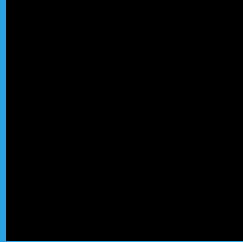
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

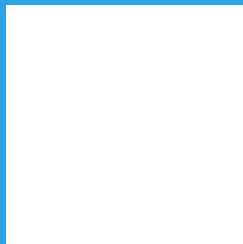
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8634, 32.2208, 76.7022

Background



This preview shows how black text looks on a background with the XYZ color 27.8634, 32.2208, 76.7022.

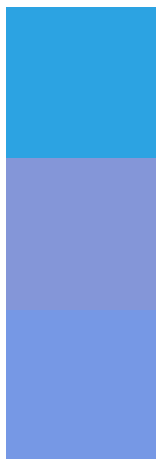


This preview shows how white text looks on a background with the XYZ color 27.8634, 32.2208,

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

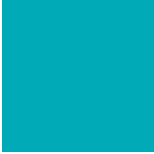
27.8634, 32.2208, 76.7022

Protanopia

32.8167, 31.6761, 69.3502

Deuteranopia

32.8423, 31.9652, 78.5677



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

27.8634, 32.2208, 76.7022

Protanomaly

29.8951, 31.3193, 72.1797

Deuteranomaly

30.2064, 31.6025, 77.9066

Tritanomaly

24.3412, 31.8711, 58.9017

Monochromacy



Original Color

27.8634, 32.2208, 76.7022

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.6728, 25.9027, 40.8505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8634, 32.2208, 76.7022 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(44, 163, 226)` looks like.

```
.text, #text, p{  
    color:rgb(44, 163, 226)  
}
```

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(44, 163, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 163, 226) }
```

Border

The CSS property to change the border of an element to XYZ 27.8634, 32.2208, 76.7022 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(44, 163, 226) }
```


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

```
.border{ border-color:rgb(44, 163, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 163, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 163, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 163, 226);  
box-shadow:4px 4px 4px 4px rgb(44, 163,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8634, 32.2208, 76.7022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 163, 226) }
```

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

```
.background{ background-color: rgb(44, 163,  
226) }
```

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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