

Converting Colors

XYZ(27.2495, 33.0376, 64.4441)

Have a look what the booklet for
XYZ(27.2495, 33.0376, 64.4441)
contains.

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Color

**XYZ(27.2682, 32.9848,
64.6040)**

Conversions

Conversions Part 1

Format	Color
Hex	42A6D0
RGB	66, 166, 208
RGB Percent	26%, 65%, 82%
CMY	0.7411, 0.3490, 0.1843
CMYK	0.68, 0.20, 0.00, 0.18
HSL	198°, 60%, 54%
HSV	198°, 68%, 82%
XYZ	27.2682, 32.9848, 64.6040
YIQ	140.8880, -73.0820, -8.1380

Conversions

Conversions Part 2

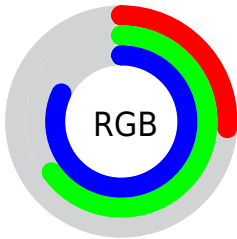
Format	Color
R _Y B	66, 125, 208
Decimal	4368080
CIE Lab	64.15, -15.70, -29.87
CIE LCh	64, 33.746, 242.276
Yxy	32.9848, 0.2184, 0.2642
Android (android.graphics.Color)	4282558160 (0xFF42A6D0)
YUV	140.8880, 33.0862, -65.6768
Hunter-Lab	57.4324, -15.7571, -26.4909

Details

The XYZ color **27.2682, 32.9848, 64.6040** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **32.3597, 24.5303, 8.1850**, and the grayscale version is **25.1701, 26.4809, 28.8377**.

A 20% lighter version of the original color is **52.9597, 63.6000, 104.0925**, and **11.7671, 14.3345, 32.2836** is the 20% darker color. If you saturate the color by 10%, you get **25.0215, 30.2064, 64.1868**, and if you desaturate by 10%, it is **30.0800, 36.1351, 65.0645**.

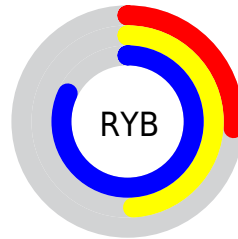
Distribution



Red (26%)

Green (65%)

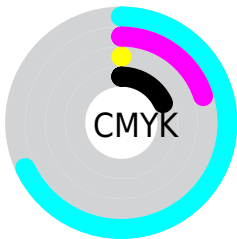
Blue (82%)



Red (26%)

Yellow (49%)

Blue (82%)

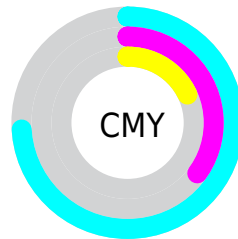


Cyan (68%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (74%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2682, 32.9848, 64.6040 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 27.2682, 32.9848, 64.6040 by changing the saturation by 10% instead.

■ 27.2682, 32.9848,
64.6040

■ 27.2682, 32.9848,
64.6040

■ 281.0973,
315.5812, 459.6347

■ 17.9124, 22.1148,
46.6907

■ 54.7308, 64.3518,
113.0882

■ 10.9864, 13.9413,
32.4386

■ 73.5683, 85.6176,
144.4961

■ 6.1249, 8.0798,
21.4292

■ 96.2970, 111.1174,
181.2394

■ 2.9626, 4.1461,
13.2438

■ 123.2824,
141.2357, 223.7366

■ 1.1340, 1.7556,
7.4639

■ 154.8898,
176.3568, 272.4062

■ 0.0533, 0.4593,
3.6711

191.4845,

■ 0.0000, 0.0000,

216.8652, 327.6667

1.4467

233.4319,
263.1452, 389.9367

■ 0.0000, 0.0000,
0.1777

■ 0.0000, 0.0000,
0.0000

■ 27.2682, 32.9848,
64.6040

■ 27.2682, 32.9848,
64.6040

■ 25.0215, 30.2064,
64.1868

■ 30.0800, 36.1351,
65.0645

■ 23.2775, 27.7649,
63.8074

■ 33.5038, 39.6809,
65.5685

■ 21.9492, 25.6149,
63.4624

■ 37.5851, 43.6472,
66.1189

■ 21.7380, 25.2596,
63.4050

■ 42.3642, 48.0558,
66.7180

■ 47.8776, 52.9266,
67.3676

■ 54.1595, 58.2781,
68.0694

■ 61.2416, 64.1278,
68.8252

■ 69.1539, 70.4920,
69.6366

■ 77.9249, 77.3863,
70.5051

Harmonies

Analogous

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



24.2071, 32.9848, 51.8773



27.2682, 32.9848, 64.6040



31.7173, 32.9848, 69.1436

Triad

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



27.2682, 32.9848, 64.6040



41.4564, 32.9848, 34.8801



26.6965, 32.9848, 17.9455

Complementary

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



27.2682, 32.9848, 64.6040



32.3597, 24.5303, 8.1850

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.



30.9877, 32.9848, 15.5172



27.2682, 32.9848, 64.6040



39.7781, 32.9848, 23.6170

Square

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



27.2682, 32.9848, 64.6040



40.2072, 32.9848, 49.5991



35.8224, 32.9848, 17.2956



23.9013, 32.9848, 25.0120

Rectangle

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



27.2682, 32.9848, 64.6040



34.9642, 32.9848, 66.1801



35.8224, 32.9848, 17.2956



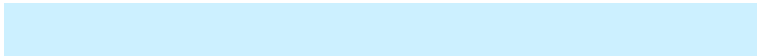
27.9958, 32.9848, 16.6542

Sweetspot

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



27.2693, 32.9860, 64.6048



74.0869, 82.3276, 106.5938



27.4175, 47.3164, 21.3892



15.3140, 17.1442, 22.7520



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.



27.2693, 32.9860, 64.6048



38.2758, 46.0057, 101.4704



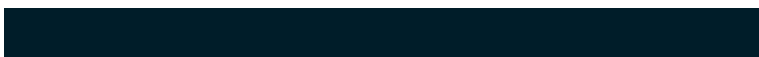
17.8865, 14.2204, 61.4772



11.8508, 12.7919, 15.0881



13.6357, 15.9180, 39.5463



0.8296, 1.0244, 2.2336

Inverse Universe

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



34.8446, 20.0608, 38.1131



51.8557, 27.0632, 53.0316



42.7652, 45.3411, 11.6534



12.1556, 11.9470, 14.0951



19.5134, 9.6782, 18.1416



1.1250, 0.5547, 1.1929

Previews

White Background



This preview shows how the XYZ color 27.2682, 32.9848, 64.6040 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 27.2682, 32.9848, 64.6040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

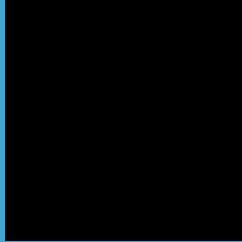
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.2682, 32.9848, 64.6040

Background



This preview shows how black text looks on a background with the XYZ color 27.2682, 32.9848, 64.6040.

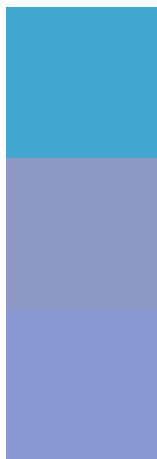


This preview shows how white text looks on a background with the XYZ color 27.2682, 32.9848,

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

27.2682, 32.9848, 64.6040

Protanopia

32.9120, 32.6993, 58.0030

Deuteranopia

33.3026, 32.4780, 66.1417



Tritanopia

24.3917, 32.9139, 50.4149

Trichromacy



Original Color

27.2682, 32.9848, 64.6040

Protanomaly

29.9578, 32.3628, 60.5448

Deuteranomaly

30.2454, 32.1466, 65.5836

Tritanomaly

25.4445, 33.0669, 55.4936

Monochromacy



Original Color

27.2682, 32.9848, 64.6040

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.6373, 28.1067, 39.7239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2682, 32.9848, 64.6040 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(66, 166, 208)` looks like.

```
.text, #text, p{  
    color:rgb(66, 166, 208)  
}
```

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(66, 166, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 166, 208) }
```

Border

The CSS property to change the border of an element to XYZ 27.2682, 32.9848, 64.6040 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(66, 166, 208) }
```


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

```
.border{ border-color:rgb(66, 166, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 166, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 166, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 166, 208);  
box-shadow:4px 4px 4px 4px rgb(66, 166,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2682, 32.9848, 64.6040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 166, 208) }
```

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

```
.background{ background-color: rgb(66, 166,  
208) }
```

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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