

Converting Colors

XYZ(27.1298, 32.2856, 66.8827)

Have a look what the booklet for
XYZ(27.1298, 32.2856, 66.8827)
contains.

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Color

**XYZ(27.2090, 32.3611,
67.0996)**

Conversions

Conversions Part 1

Format	Color
Hex	3FA4D4
RGB	63, 164, 212
RGB Percent	25%, 64%, 83%
CMY	0.7529, 0.3569, 0.1686
CMYK	0.70, 0.23, 0.00, 0.17
HSL	199°, 63%, 54%
HSV	199°, 70%, 83%
XYZ	27.2090, 32.3611, 67.0996
YIQ	139.2730, -75.6040, -6.4840

Conversions

Conversions Part 2

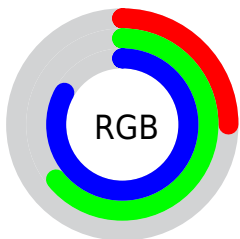
Format	Color
R _Y B	63, 123, 212
Decimal	4170964
CIE Lab	63.64, -13.75, -32.89
CIE LCh	64, 35.643, 247.314
Yxy	32.3611, 0.2148, 0.2555
Android (android.graphics.Color)	4282361044 (0xFF3FA4D4)
YUV	139.2730, 35.8544, -66.8914
Hunter-Lab	56.8868, -14.1753, -30.1134

Details

The XYZ color **27.2090, 32.3611, 67.0996** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **33.7345, 25.7269, 7.8918**, and the grayscale version is **24.5342, 25.8119, 28.1091**.

A 20% lighter version of the original color is **52.2836, 62.4722, 103.9105**, and **11.8800, 14.0227, 33.9788** is the 20% darker color. If you saturate the color by 10%, you get **24.9170, 29.4140, 66.6522**, and if you desaturate by 10%, it is **30.0899, 35.7104, 67.5949**.

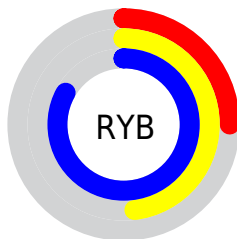
Distribution



Red (25%)

Green (64%)

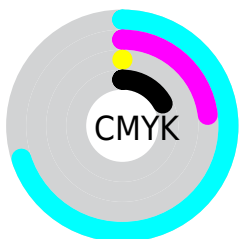
Blue (83%)



Red (25%)

Yellow (48%)

Blue (83%)

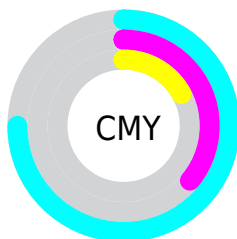


Cyan (70%)

Magenta (23%)

Yellow (0%)

Black (17%)



Cyan (75%)

Magenta (36%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2090, 32.3611, 67.0996 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 27.2090, 32.3611, 67.0996 by changing the saturation by 10% instead.

■ 27.2090, 32.3611,
67.0996

■ 27.2090, 32.3611,
67.0996

280.8168,
312.7609, 468.8104

■ 17.8676, 21.6375,
48.7035

■ 54.6366, 63.3768,
116.7051

■ 10.9541, 13.5908,
34.0204

■ 73.4535, 84.4376,
148.7516

■ 6.1031, 7.8366,
22.6318

■ 96.1597, 109.7129,
186.1852

■ 2.9491, 3.9906,
14.1191

■ 123.1205,
139.5871, 229.4246

■ 1.1269, 1.6683,
8.0639

■ 154.7013,
174.4446, 278.8883

■ 0.0474, 0.4030,
4.0475

191.2673,

■ 0.0000, 0.0000,

214.6698, 334.9948

1.6514

233.1840,
260.6471, 398.1626

■ 0.0000, 0.0000,
0.3271

■ 0.0000, 0.0000,
0.0000

■ 27.2090, 32.3611,
67.0996

■ 27.2090, 32.3611,
67.0996

■ 24.9170, 29.4140,
66.6522

■ 30.0899, 35.7104,
67.5949

■ 23.1459, 26.8309,
66.2469

■ 33.6109, 39.4879,
68.1384

■ 21.8121, 24.6102,
65.8886

■ 37.8209, 43.7212,
68.7336

■ 42.7631, 48.4336,
69.3828

■ 48.4768, 53.6469,
70.0879

■ 54.9983, 59.3812,
70.8510

■ 62.3616, 65.6554,
71.6739

■ 70.5988, 72.4873,
72.5585

■ 79.7400, 79.8937,
73.5063

Harmonies

Analogous

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



23.7501, 32.3611, 54.6236



27.2090, 32.3611, 67.0996



31.9942, 32.3611, 70.0607

Triad

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



27.2090, 32.3611, 67.0996



41.2737, 32.3611, 31.8567



25.3083, 32.3611, 17.6078

Complementary

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



27.2090, 32.3611, 67.0996



33.7345, 25.7269, 7.8918

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.



29.5546, 32.3611, 14.4254



27.2090, 32.3611, 67.0996



39.0249, 32.3611, 21.0824

Square

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



27.2090, 32.3611, 67.0996



40.4720, 32.3611, 46.9136



34.6035, 32.3611, 15.4984



22.7382, 32.3611, 25.6769

Rectangle

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



27.2090, 32.3611, 67.0996



35.3675, 32.3611, 65.6712



34.6035, 32.3611, 15.4984



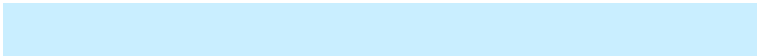
26.5680, 32.3611, 16.0463

Sweetspot

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



27.2101, 32.3622, 67.1004



72.7599, 80.7026, 106.3501



28.4191, 49.2745, 22.8193



15.0362, 16.7884, 22.6979



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.



27.2101, 32.3622, 67.1004



36.5140, 42.8024, 100.9449



17.6179, 13.1778, 63.9030



12.4392, 13.4019, 15.8687



13.5598, 15.3814, 40.7074



0.8913, 1.0747, 2.4798

Inverse Universe

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



35.6307, 20.2337, 37.1505



50.8883, 26.3770, 48.8599



45.3324, 48.9228, 11.7578



12.7749, 12.5615, 14.7549



19.9032, 9.8976, 17.3263



1.2376, 0.6118, 1.2403

Previews

White Background



This preview shows how the XYZ color 27.2090, 32.3611, 67.0996 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 27.2090, 32.3611, 67.0996 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 27.2090, 32.3611, 67.0996

Background



This preview shows how black text looks on a background with the XYZ color 27.2090, 32.3611, 67.0996.

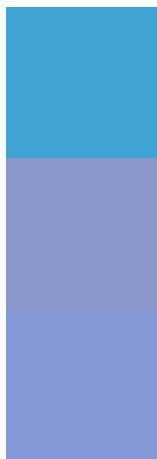


This preview shows how white text looks on a background with the XYZ color 27.2090, 32.3611,

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

27.2090, 32.3611, 67.0996

Protanopia

32.3747, 31.8865, 60.3255

Deuteranopia

32.8481, 31.9450, 68.7247



Tritanopia

23.6901, 32.2871, 49.7832

Trichromacy



Original Color

27.2090, 32.3611, 67.0996

Protanomaly

29.5846, 31.6127, 62.9351

Deuteranomaly

30.0895, 31.7578, 68.1623

Tritanomaly

24.8717, 32.2106, 55.9453

Monochromacy



Original Color

27.2090, 32.3611, 67.0996

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

24.0284, 27.3125, 40.0818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2090, 32.3611, 67.0996 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(63, 164, 212)` looks like.

```
.text, #text, p{  
    color:rgb(63, 164, 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(63, 164, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 164, 212) }
```

Border

The CSS property to change the border of an element to XYZ 27.2090, 32.3611, 67.0996 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(63, 164, 212) }
```


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

```
.border{ border-color:rgb(63, 164, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 164, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 164, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 164, 212);  
box-shadow:4px 4px 4px 4px rgb(63, 164,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2090, 32.3611, 67.0996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 164, 212) }
```

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

```
.background{ background-color: rgb(63, 164,  
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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