

Converting Colors

XYZ(29.3539, 36.1330, 67.0568)

Have a look what the booklet for
XYZ(29.3539, 36.1330, 67.0568)
contains.

XYZ(29.4197, 36.2773, 67.0797)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.4197, 36.2773,
67.0797)**

Conversions

Conversions Part 1

Format	Color
Hex	46AED3
RGB	70, 174, 211
RGB Percent	27%, 68%, 83%
CMY	0.7255, 0.3176, 0.1725
CMYK	0.67, 0.18, 0.00, 0.17
HSL	196°, 62%, 55%
HSV	196°, 67%, 83%
XYZ	29.4197, 36.2773, 67.0797
YIQ	147.1220, -73.8610, -10.5410

Conversions

Conversions Part 2

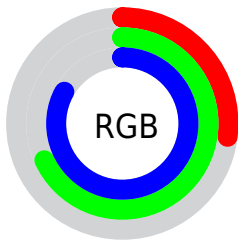
Format	Color
R _{YB}	70, 130, 211
Decimal	4632275
CIE Lab	66.73, -18.38, -27.54
CIE LCh	67, 33.108, 236.285
Yxy	36.2773, 0.2216, 0.2732
Android (android.graphics.Color)	4282822355 (0xFF46AED3)
YUV	147.1220, 31.4919, -67.6360
Hunter-Lab	60.2306, -18.2152, -23.8706

Details

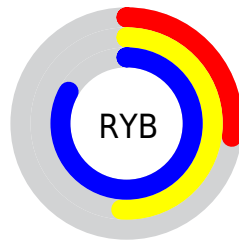
The XYZ color **29.4197, 36.2773, 67.0797** is a light color, and the websafe version is hex **0099CC**. The color can be described as light muted azure. A complement of this color would be **33.2285, 24.8082, 8.8329**, and the grayscale version is **27.6808, 29.1223, 31.7142**.

A 20% lighter version of the original color is **56.0197, 68.8002, 104.9350**, and **12.8381, 16.0750, 33.8786** is the 20% darker color. If you saturate the color by 10%, you get **27.1089, 33.5313, 66.6722**, and if you desaturate by 10%, it is **32.3115, 39.3897, 67.5287**.

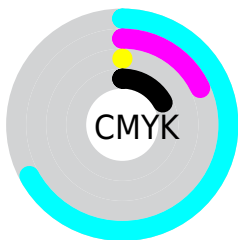
Distribution



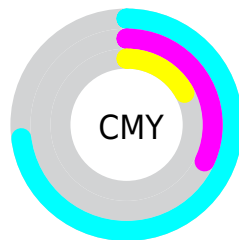
- Red (27%)
- Green (68%)
- Blue (83%)



- Red (27%)
- Yellow (51%)
- Blue (83%)



- Cyan (67%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (73%)
- Magenta (32%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4197, 36.2773, 67.0797 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 29.4197, 36.2773, 67.0797 by changing the saturation by 10% instead.

■ 29.4197, 36.2773,
67.0797

■ 29.4197, 36.2773,
67.0797

291.1487,
330.1709, 468.7376

■ 19.5444, 24.6484,
48.6874

■ 58.1362, 69.4599,
116.6763

■ 12.1707, 15.8153,
34.0077

■ 77.7081, 91.7823,
148.7178

■ 6.9330, 9.3936,
22.6221

■ 101.2430,
118.4382, 186.1460

■ 3.4662, 4.9988,
14.1121

■ 129.1061,
149.8117, 229.3795

■ 1.4048, 2.2465,
8.0590

161.6629,
186.2873, 278.8369

■ 0.2597, 0.7452,
4.0444

199.2787,

■ 0.0000, 0.0000,

228.2495, 334.9367

1.6497

242.3189,
276.0826, 398.0974

■ 0.0000, 0.0000,
0.3259

■ 0.0000, 0.0000,
0.0000

■ 29.4197, 36.2773,
67.0797

■ 29.4197, 36.2773,
67.0797

■ 27.1089, 33.5313,
66.6722

■ 32.3115, 39.3897,
67.5287

■ 25.3161, 31.1163,
66.3005

■ 35.8316, 42.8915,
68.0191

■ 23.9653, 28.9930,
65.9619

■ 40.0263, 46.8081,
68.5540

■ 23.5846, 28.3565,
65.8591

■ 44.9363, 51.1612,
69.1355

■ 50.5989, 55.9707,
69.7653

■ 57.0490, 61.2553,
70.4454

■ 64.3188, 67.0324,
71.1773

■ 72.4391, 73.3185,
71.9627

■ 79.6095, 79.1861,
72.7173

Harmonies

Analogous

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



26.5665, 36.2773, 52.9745



29.4197, 36.2773, 67.0797



33.8619, 36.2773, 73.7947

Triad

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



29.4197, 36.2773, 67.0797



44.9795, 36.2773, 41.3091



30.4001, 36.2773, 19.6151

Complementary

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



29.4197, 36.2773, 67.0797



33.2285, 24.8082, 8.8329

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.



35.1066, 36.2773, 17.9194



29.4197, 36.2773, 67.0797



43.8280, 36.2773, 28.5289

Square

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



29.4197, 36.2773, 67.0797



43.1018, 36.2773, 56.8182



40.0907, 36.2773, 20.7542



27.0930, 36.2773, 26.1153

Rectangle

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



29.4197, 36.2773, 67.0797



37.2442, 36.2773, 72.2199



40.0907, 36.2773, 20.7542



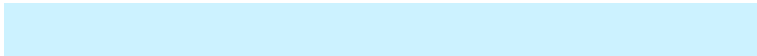
31.8570, 36.2773, 18.5439

Sweetspot

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



29.4209, 36.2786, 67.0806



74.5900, 83.3337, 106.7614



28.3840, 48.9167, 21.3797



15.4355, 17.3871, 22.7925



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.



29.4209, 36.2786, 67.0806



40.4109, 49.9152, 102.1125



19.3622, 16.1611, 63.7277



11.8849, 12.8601, 15.0995



14.3205, 17.2876, 39.7746



0.8634, 1.0920, 2.2448

Inverse Universe

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



36.6952, 21.2865, 42.2202



53.0215, 27.8667, 58.1311



43.4470, 45.2452, 12.2390



12.1728, 11.9539, 14.1859



19.8591, 9.8165, 19.9618



1.1420, 0.5615, 1.2828

Previews

White Background



This preview shows how the XYZ color 29.4197, 36.2773, 67.0797 looks on a white background.

Color Contrast Check

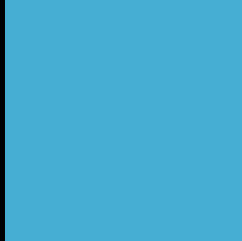
Large Text (above 18pt) WCAG AA × Fail

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 29.4197, 36.2773, 67.0797 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 29.4197, 36.2773, 67.0797

Background



This preview shows how black text looks on a background with the XYZ color 29.4197, 36.2773, 67.0797.

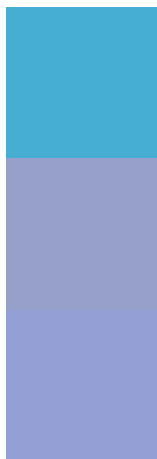


This preview shows how white text looks on a background with the XYZ color 29.4197, 36.2773,

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

29.4197, 36.2773, 67.0797

Protanopia

35.8759, 35.9380, 60.3042

Deuteranopia

36.7485, 35.9472, 68.6200



Tritanopia

27.0402, 36.1799, 55.4274

Trichromacy



Original Color

29.4197, 36.2773, 67.0797

Protanomaly

32.5006, 35.4556, 62.8883

Deuteranomaly

33.0314, 35.3481, 68.0327

Tritanomaly

27.8840, 36.2310, 59.5565

Monochromacy



Original Color

29.4197, 36.2773, 67.0797

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.9204, 30.9382, 42.5830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4197, 36.2773, 67.0797 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(70, 174, 211)` looks like.

```
.text, #text, p{  
    color:rgb(70, 174, 211)  
}
```

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(70, 174, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 174, 211) }
```

Border

The CSS property to change the border of an element to XYZ 29.4197, 36.2773, 67.0797 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(70, 174, 211) }
```


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

```
.border{ border-color:rgb(70, 174, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 174, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 174, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 174, 211);  
box-shadow:4px 4px 4px 4px rgb(70, 174,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4197, 36.2773, 67.0797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 174, 211) }
```

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

```
.background{ background-color: rgb(70, 174,  
211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor