

Converting Colors

XYZ(29.3839, 37.1879, 62.6073)

Have a look what the booklet for
XYZ(29.3839, 37.1879, 62.6073)
contains.

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Color

**XYZ(29.4453, 37.2598,
62.7667)**

Conversions

Conversions Part 1

Format	Color
Hex	4AB1CC
RGB	74, 177, 204
RGB Percent	29%, 69%, 80%
CMY	0.7098, 0.3059, 0.2000
CMYK	0.64, 0.13, 0.00, 0.20
HSL	192°, 56%, 55%
HSV	192°, 64%, 80%
XYZ	29.4453, 37.2598, 62.7667
YIQ	149.2810, -70.0550, -13.4390

Conversions

Conversions Part 2

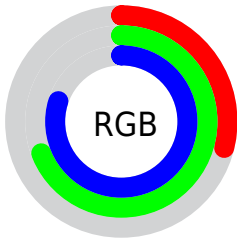
Format	Color
RYB	74, 131, 204
Decimal	4895180
CIELab	67.47, -21.47, -22.53
CIELCh	67, 31.125, 226.386
Yxy	37.2598, 0.2274, 0.2878
Android (android.graphics.Color)	4283085260 (0xFF4AB1CC)
YUV	149.2810, 26.9765, -66.0214
Hunter-Lab	61.0408, -20.7153, -18.2378

Details

The XYZ color **29.4453, 37.2598, 62.7667** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **30.7927, 22.6405, 9.2270**, and the grayscale version is **28.5978, 30.0871, 32.7649**.

A 20% lighter version of the original color is **57.1806, 70.6487, 105.2306**, and **12.7127, 16.6173, 31.3916** is the 20% darker color. If you saturate the color by 10%, you get **27.2982, 34.9305, 62.4310**, and if you desaturate by 10%, it is **32.1299, 39.9062, 63.1367**.

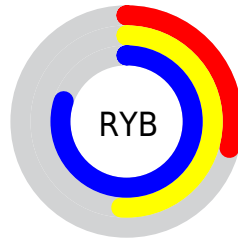
Distribution



Red (29%)

Green (69%)

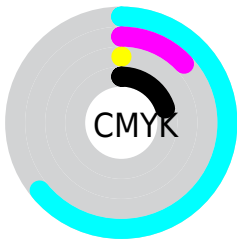
Blue (80%)



Red (29%)

Yellow (51%)

Blue (80%)

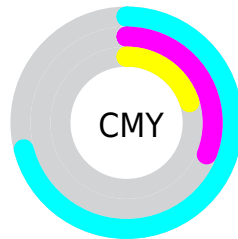


Cyan (64%)

Magenta (13%)

Yellow (0%)

Black (20%)



Cyan (71%)

Magenta (31%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4453, 37.2598, 62.7667 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 29.4453, 37.2598, 62.7667 by changing the saturation by 10% instead.

■ 29.4453, 37.2598,
62.7667

■ 29.4453, 37.2598,
62.7667

291.2667,
334.4339, 452.8069

■ 19.5639, 25.4087,
45.2127

■ 58.1765, 70.9722,
110.4152

■ 12.1849, 16.3818,
31.2808

■ 77.7570, 93.6023,
141.3468

■ 6.9428, 9.7947,
20.5525

■ 101.3013,
120.5941, 177.5746

■ 3.4724, 5.2631,
12.6093

■ 129.1748,
152.3321, 219.5173

■ 1.4082, 2.4024,
7.0325

161.7426,
189.2007, 267.5933

■ 0.2621, 0.8271,
3.4037

199.3704,

■ 0.0000, 0.0000,

231.5843, 322.2212

1.3043

242.4233,
279.8673, 383.8196

■ 0.0000, 0.0000,
0.0653

■ 0.0000, 0.0000,
0.0000

■ 29.4453, 37.2598,
62.7667

■ 29.4453, 37.2598,
62.7667

■ 27.2982, 34.9305,
62.4310

■ 32.1299, 39.9062,
63.1367

■ 25.6335, 32.8874,
62.1243

■ 35.3930, 42.8891,
63.5405

■ 24.3901, 31.0993,
61.8447

■ 39.2758, 46.2307,
63.9808

■ 23.7548, 30.0709,
61.6797

■ 43.8145, 49.9500,
64.4595

■ 49.0424, 54.0645,
64.9782

■ 54.9907, 58.5906,
65.5383

■ 61.6883, 63.5436,
66.1413

■ 69.1628, 68.9379,
66.7886

■ 76.4740, 74.2893,
67.4361

Harmonies

Analogous

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



27.3083, 37.2598, 48.4576



29.4453, 37.2598, 62.7667



33.2948, 37.2598, 71.9062

Triad

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



29.4453, 37.2598, 62.7667



45.1191, 37.2598, 47.0859



32.8842, 37.2598, 20.1940

Complementary

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



29.4453, 37.2598, 62.7667



30.7927, 22.6405, 9.2270

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.



37.6220, 37.2598, 19.9876



29.4453, 37.2598, 62.7667



44.9840, 37.2598, 33.5877

Square

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



29.4453, 37.2598, 62.7667



42.4941, 37.2598, 61.5697



42.1400, 37.2598, 24.3405



29.1681, 37.2598, 24.9868

Rectangle

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



29.4453, 37.2598, 62.7667



36.4465, 37.2598, 72.7533



42.1400, 37.2598, 24.3405



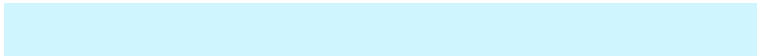
34.4018, 37.2598, 19.6304

Sweetspot

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



29.4465, 37.2612, 62.7676



76.2900, 85.6876, 107.1262



26.7183, 45.5626, 19.4444



15.8066, 17.9263, 22.8770



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.



29.4465, 37.2612, 62.7676



44.2235, 56.6919, 103.2195



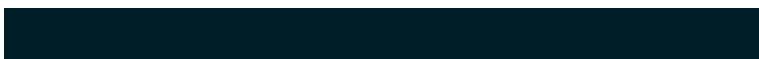
19.6296, 17.6273, 59.4953



11.3378, 12.3160, 14.3500



15.0201, 19.0641, 38.8444



0.8260, 1.0857, 2.0210

Inverse Universe

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



35.2875, 20.9105, 43.7726



55.1530, 29.5123, 66.9109



39.5941, 40.2434, 12.1608



11.5839, 11.3623, 13.6092



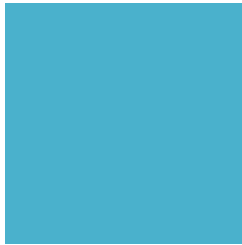
19.7923, 9.7275, 22.4229



1.0468, 0.5121, 1.2926

Previews

White Background



This preview shows how the XYZ color 29.4453, 37.2598, 62.7667 looks on a white background.

Color Contrast Check

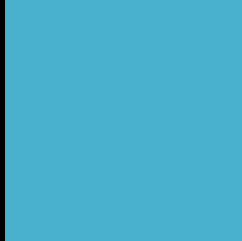
Large Text (above 18pt) WCAG AA × Fail

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 29.4453, 37.2598, 62.7667 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 29.4453, 37.2598, 62.7667

Background



This preview shows how black text looks on a background with the XYZ color 29.4453, 37.2598, 62.7667.

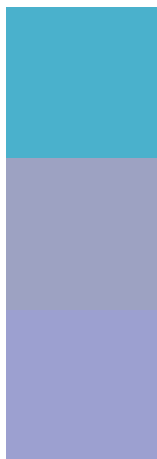


This preview shows how white text looks on a background with the XYZ color 29.4453, 37.2598,

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

29.4453, 37.2598, 62.7667

Protanopia

36.5626, 36.9038, 56.2350

Deuteranopia

37.6663, 36.7636, 64.7854



Tritanopia

28.2000, 37.3557, 56.1761

Trichromacy



Original Color

29.4453, 37.2598, 62.7667

Protanomaly

32.7642, 36.2267, 58.6917

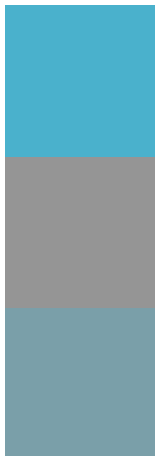
Deuteranomaly

33.5029, 36.2131, 64.2555

Tritanomaly

28.5970, 37.2116, 58.4987

Monochromacy



Original Color

29.4453, 37.2598, 62.7667

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

27.5856, 31.7984, 42.2199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4453, 37.2598, 62.7667 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(74, 177, 204)` looks like.

```
.text, #text, p{  
    color:rgb(74, 177, 204)  
}
```

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(74, 177, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 177, 204) }
```

Border

The CSS property to change the border of an element to XYZ 29.4453, 37.2598, 62.7667 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(74, 177, 204) }
```


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

```
.border{ border-color:rgb(74, 177, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 177, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 177, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 177, 204);  
box-shadow:4px 4px 4px 4px rgb(74, 177,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4453, 37.2598, 62.7667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 177, 204) }
```

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

```
.background{ background-color: rgb(74, 177,  
204) }
```

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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