

Converting Colors

XYZ(27.4730, 36.2109, 56.0560)

Have a look what the booklet for
XYZ(27.4730, 36.2109, 56.0560)
contains.

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Color

**XYZ(27.3977, 36.0592,
55.9682)**

Conversions

Conversions Part 1

Format	Color
Hex	42B0C1
RGB	66, 176, 193
RGB Percent	26%, 69%, 76%
CMY	0.7412, 0.3098, 0.2431
CMYK	0.66, 0.09, 0.00, 0.24
HSL	188°, 51%, 51%
HSV	188°, 66%, 76%
XYZ	27.3977, 36.0592, 55.9682
YIQ	145.0480, -71.0170, -18.0330

Conversions

Conversions Part 2

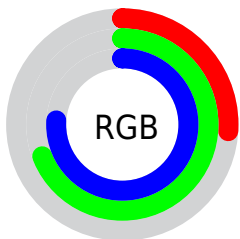
Format	Color
RYB	66, 125, 193
Decimal	4370625
CIELab	66.57, -25.59, -17.86
CIElCh	67, 31.208, 214.903
Yxy	36.0592, 0.2294, 0.3019
Android (android.graphics.Color)	4282560705 (0xFF42B0C1)
YUV	145.0480, 23.6403, -69.3251
Hunter-Lab	60.0493, -23.6451, -13.2260

Details

The XYZ color **27.3977, 36.0592, 55.9682** is a light color, and the websafe version is hex **339999**. The color can be described as light muted azure. A complement of this color would be **26.0698, 17.9182, 7.2398**, and the grayscale version is **26.8620, 28.2609, 30.7761**.

A 20% lighter version of the original color is **54.8576, 69.1420, 100.0770**, and **11.7432, 16.0300, 26.9013** is the 20% darker color. If you saturate the color by 10%, you get **25.8087, 34.4960, 55.7509**, and if you desaturate by 10%, it is **29.4372, 37.8705, 56.2110**.

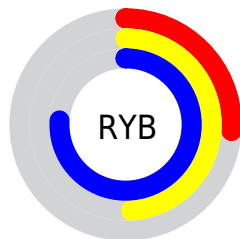
Distribution



Red (26%)

Green (69%)

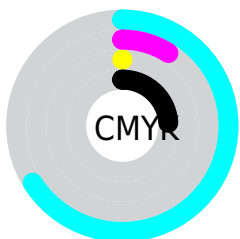
Blue (76%)



Red (26%)

Yellow (49%)

Blue (76%)

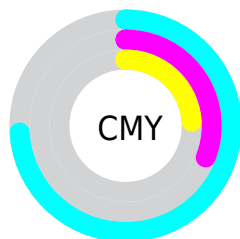


Cyan (66%)

Magenta (9%)

Yellow (0%)

Black (24%)



Cyan (74%)

Magenta (31%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3977, 36.0592, 55.9682 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 27.3977, 36.0592, 55.9682 by changing the saturation by 10% instead.

■ 27.3977, 36.0592,
55.9682

■ 27.3977, 36.0592,
55.9682

281.7102,
329.2192, 426.9566

■ 18.0103, 24.4799,
39.7736

■ 54.9368, 69.1234,
100.4434

■ 11.0571, 15.6900,
27.0496

■ 73.8191, 91.3772,
129.5611

■ 6.1728, 9.3051,
17.3777

■ 96.5972, 117.9579,
163.8236

■ 2.9921, 4.9407,
10.3394

■ 123.6363,
149.2499, 203.6494

■ 1.1496, 2.2125,
5.5160

■ 155.3018,
185.6376, 249.4570

■ 0.0660, 0.7268,
2.4891

191.9590,

■ 0.0000, 0.0000,

227.5055, 301.6651

0.8344

233.9733,
275.2379, 360.6921

■ 0.0000, 0.0000,
0.0000

■ 27.3977, 36.0592,
55.9682

■ 27.3977, 36.0592,
55.9682

■ 25.8087, 34.4960,
55.7509

■ 29.4372, 37.8705,
56.2110

■ 24.6205, 33.1528,
55.5543

■ 31.9637, 39.9465,
56.4785

■ 23.7766, 32.0013,
55.3765

■ 35.0136, 42.3068,
56.7734

■ 23.4753, 31.5493,
55.3051

■ 38.6191, 44.9680,
57.0970

■ 42.8095, 47.9454,
57.4509

■ 47.6122, 51.2532,
57.8362

■ 53.0529, 54.9046,
58.2542

■ 59.1556, 58.9121,
58.7061

■ 65.9433, 63.2877,
59.1929

Harmonies

Analogous

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



26.0518, 36.0592, 41.5108



27.3977, 36.0592, 55.9682



30.5893, 36.0592, 67.5963

Triad

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



27.3977, 36.0592, 55.9682



43.1039, 36.0592, 51.2650



33.5084, 36.0592, 18.7451

Complementary

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



27.3977, 36.0592, 55.9682



26.0698, 17.9182, 7.2398

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.



38.2415, 36.0592, 20.2133



27.3977, 36.0592, 55.9682



44.0643, 36.0592, 37.0966

Square

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



27.3977, 36.0592, 55.9682



39.6954, 36.0592, 64.4755



42.2123, 36.0592, 26.2632



29.3687, 36.0592, 21.6643

Rectangle

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



27.3977, 36.0592, 55.9682



33.4783, 36.0592, 71.0074



42.2123, 36.0592, 26.2632



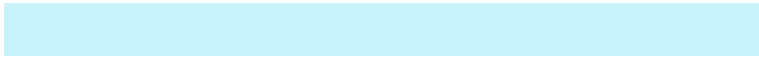
35.0805, 36.0592, 18.7498

Sweetspot

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



27.3988, 36.0605, 55.9691



73.1512, 83.3912, 102.6009



22.8764, 39.9225, 14.6713



15.2435, 17.5695, 21.9731



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.3988, 36.0605, 55.9691



45.1954, 60.6683, 99.6884



17.7303, 16.7235, 52.7462



10.2499, 11.1910, 12.9047



15.6561, 21.0687, 36.7981



0.7090, 0.9754, 1.6008

Inverse Universe

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



31.7779, 18.3695, 42.9465



54.0214, 28.1579, 72.7361



33.3224, 32.4236, 9.6573



10.4374, 10.2236, 12.3940



19.2984, 9.4091, 25.2814



0.8502, 0.4131, 1.1788

Previews

White Background



This preview shows how the XYZ color 27.3977, 36.0592, 55.9682 looks on a white background.

Color Contrast Check

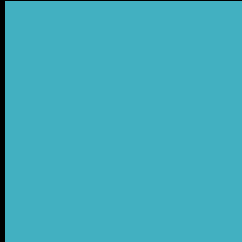
Large Text (above 18pt) WCAG AA × Fail

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 27.3977, 36.0592, 55.9682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

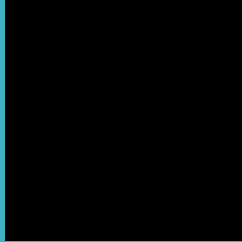
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.3977, 36.0592, 55.9682

Background



This preview shows how black text looks on a background with the XYZ color 27.3977, 36.0592, 55.9682.

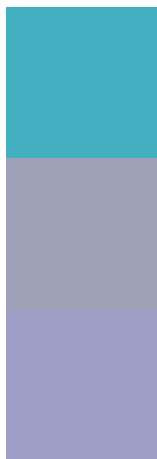


This preview shows how white text looks on a background with the XYZ color 27.3977, 36.0592,

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

27.3977, 36.0592, 55.9682

Protanopia

34.9189, 35.6871, 49.3038

Deuteranopia

36.2356, 35.4143, 57.7491



Tritanopia

27.1093, 35.9361, 54.7978

Trichromacy



Original Color

27.3977, 36.0592, 55.9682



Protanomaly

30.8113, 35.1027, 51.6059



Deuteranomaly

31.6967, 34.8964, 57.2896



Tritanomaly

27.2197, 35.9803, 55.3794

Monochromacy



Original Color

27.3977, 36.0592, 55.9682



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.6125, 30.0986, 38.6421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3977, 36.0592, 55.9682 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, 176, 193)` looks like.

```
.text, #text, p{  
    color:rgb(66, 176, 193)  
}
```

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, 176, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 176, 193) }
```

Border

The CSS property to change the border of an element to XYZ 27.3977, 36.0592, 55.9682 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, 176, 193) }
```


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

```
.border{ border-color:rgb(66, 176, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 176, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 176, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 176, 193);  
box-shadow:4px 4px 4px 4px rgb(66, 176,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3977, 36.0592, 55.9682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 176, 193) }
```

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

```
.background{ background-color: rgb(66, 176,  
193) }
```

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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