

Converting Colors

XYZ(27.1450, 37.6238, 59.6094)

Have a look what the booklet for
XYZ(27.1450, 37.6238, 59.6094)
contains.

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Color

**XYZ(27.2027, 37.6650,
59.8692)**

Conversions

Conversions Part 1

Format	Color
Hex	0DB6C7
RGB	13, 182, 199
RGB Percent	5%, 71%, 78%
CMY	0.9489, 0.2863, 0.2196
CMYK	0.93, 0.09, 0.00, 0.22
HSL	185°, 88%, 42%
HSV	185°, 93%, 78%
XYZ	27.2027, 37.6650, 59.8692
YIQ	133.4070, -106.1810, -30.5410

Conversions

Conversions Part 2

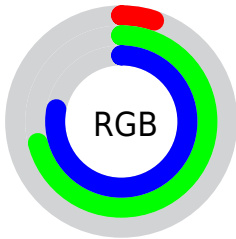
Format	Color
RYB	13, 102, 199
Decimal	898759
CIELab	67.77, -31.59, -19.41
CIELCh	68, 37.075, 211.575
Yxy	37.6650, 0.2181, 0.3020
Android (android.graphics.Color)	4279088839 (0xFF0DB6C7)
YUV	133.4070, 32.3373, -105.5969
Hunter-Lab	61.3718, -28.2816, -14.8781

Details

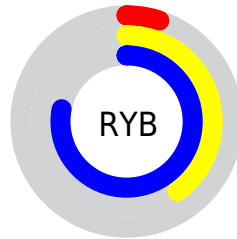
The XYZ color **27.2027, 37.6650, 59.8692** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **24.0914, 13.1016, 1.6410**, and the grayscale version is **22.3602, 23.5246, 25.6183**.

A 20% lighter version of the original color is **54.4502, 71.3723, 105.5142**, and **12.9611, 17.7448, 29.5300** is the 20% darker color. If you saturate the color by 10%, you get **26.7945, 37.0947, 59.7813**, and if you desaturate by 10%, it is **28.0375, 38.6527, 60.0166**.

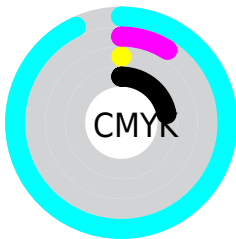
Distribution



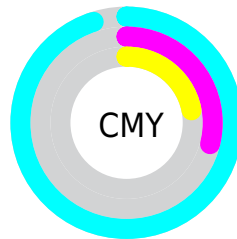
- Red (5%)
- Green (71%)
- Blue (78%)



- Red (5%)
- Yellow (40%)
- Blue (78%)



- Cyan (93%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)



- Cyan (95%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2027, 37.6650, 59.8692 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 27.2027, 37.6650, 59.8692 by changing the saturation by 10% instead.

■ 27.2027, 37.6650,
59.8692

■ 27.2027, 37.6650,
59.8692

280.7869,
336.1807, 441.9067

■ 17.8629, 25.7228,
42.8886

■ 54.6266, 71.5944,
106.1814

■ 10.9507, 16.6164,
29.4670

■ 73.4413, 94.3503,
136.3501

■ 6.1007, 9.9614,
19.1857

■ 96.1451, 121.4797,
171.7519

■ 2.9477, 5.3733,
11.6264

■ 123.1033,
153.3668, 212.8054

■ 1.1261, 2.4679,
6.3704

■ 154.6812,
190.3960, 259.9291

■ 0.0468, 0.8605,
2.9992

191.2442,

■ 0.0000, 0.0000,

232.9518, 313.5415

1.0942

233.1576,
281.4186, 374.0612

■ 0.0000, 0.0000,
0.0000

■ 27.2027, 37.6650,
59.8692

■ 27.2027, 37.6650,
59.8692

■ 26.7945, 37.0947,
59.7813

■ 28.0375, 38.6527,
60.0166

■ 29.2517, 39.8425,
60.1822

■ 30.9044, 41.2656,
60.3698

■ 33.0437, 42.9468,
60.5816

■ 35.7112, 44.9076,
60.8194

■ 38.9441, 47.1672,
61.0852

■ 42.7763, 49.7430,
61.3804

■ 47.2388, 52.6512,
61.7065

■ 52.3607, 55.9067,
62.0649

Harmonies

Analogous

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



25.8692, 37.6650, 41.8851



27.2027, 37.6650, 59.8692



30.8029, 37.6650, 75.5257

Triad

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



27.2027, 37.6650, 59.8692



46.3992, 37.6650, 57.9549



35.4972, 37.6650, 16.8494

Complementary

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



27.2027, 37.6650, 59.8692



24.0914, 13.1016, 1.6410

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.



41.3091, 37.6650, 19.0351



27.2027, 37.6650, 59.8692



47.9924, 37.6650, 40.1487

Square

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



27.2027, 37.6650, 59.8692



41.8894, 37.6650, 74.2288



46.0398, 37.6650, 26.5975



30.3303, 37.6650, 19.5603

Rectangle

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



27.2027, 37.6650, 59.8692



34.2081, 37.6650, 80.8545



46.0398, 37.6650, 26.5975



37.4395, 37.6650, 17.0318

Sweetspot

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



27.2039, 37.6664, 59.8701



71.4347, 84.7874, 107.2083



20.8062, 41.0196, 7.9532



14.6829, 17.7368, 22.8996



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.



27.2039, 37.6664, 59.8701



46.8198, 64.7597, 104.6399



14.1756, 11.6097, 55.5273



10.8606, 11.8953, 13.6411



17.2631, 23.9201, 38.4515



0.8422, 1.1823, 1.8290

Inverse Universe

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



32.1416, 15.8085, 45.6147



55.7617, 27.0687, 78.4002



30.5264, 25.9715, 3.7860



11.0397, 10.7993, 13.1923



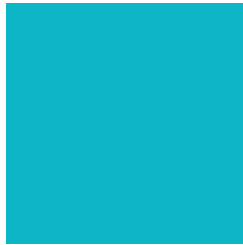
20.5129, 9.9547, 28.9747



0.9838, 0.4764, 1.4379

Previews

White Background



This preview shows how the XYZ color 27.2027, 37.6650, 59.8692 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 27.2027, 37.6650, 59.8692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

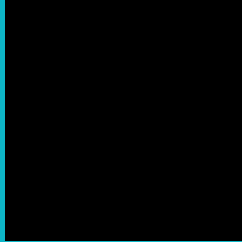
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

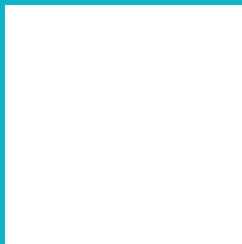
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2027, 37.6650, 59.8692

Background



This preview shows how black text looks on a background with the XYZ color 27.2027, 37.6650, 59.8692.

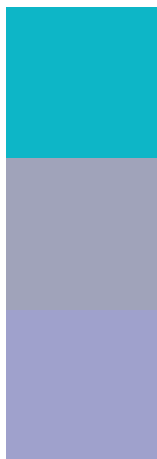


This preview shows how white text looks on a background with the XYZ color 27.2027, 37.6650,

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

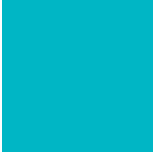
27.2027, 37.6650, 59.8692

Protanopia

36.4573, 37.2131, 51.7157

Deuteranopia

37.9420, 37.2203, 62.3112



Tritanopia

26.8060, 37.4871, 58.6462

Trichromacy



Original Color

27.2027, 37.6650, 59.8692



Protanomaly

29.8421, 35.6368, 54.5960



Deuteranomaly

30.7925, 35.7044, 61.1458



Tritanomaly

26.9836, 37.5654, 59.2547

Monochromacy



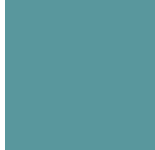
Original Color

27.2027, 37.6650, 59.8692



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.2722, 26.6914, 35.9291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2027, 37.6650, 59.8692 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(13, 182, 199)` looks like.

```
.text, #text, p{  
    color:rgb(13, 182, 199)  
}
```

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(13, 182, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 182, 199) }
```

Border

The CSS property to change the border of an element to XYZ 27.2027, 37.6650, 59.8692 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(13, 182, 199) }
```


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

```
.border{ border-color:rgb(13, 182, 199) }
```

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

Here you see how a box with a 4 pixel rgb(13, 182, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 182, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 182, 199);  
box-shadow:4px 4px 4px 4px rgb(13, 182,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2027, 37.6650, 59.8692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 182, 199) }
```

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

```
.background{ background-color: rgb(13, 182,  
199) }
```

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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