

Converting Colors

XYZ(27.4918, 37.9654, 37.0696)

Have a look what the booklet for
XYZ(27.4918, 37.9654, 37.0696)
contains.

XYZ(27.4773, 38.0110, 36.8990)	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(27.4773, 38.0110,
36.8990)**

Conversions

Conversions Part 1

Format	Color
Hex	62B59B
RGB	98, 181, 155
RGB Percent	38%, 71%, 61%
CMY	0.6157, 0.2902, 0.3922
CMYK	0.46, 0.00, 0.14, 0.29
HSL	161°, 36%, 55%
HSV	161°, 46%, 71%
XYZ	27.4773, 38.0110, 36.8990
YIQ	153.2190, -41.1220, -25.6820

Conversions

Conversions Part 2

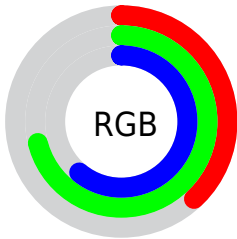
Format	Color
RYB	98, 147, 181
Decimal	6469019
CIELab	68.03, -31.58, 5.44
CIELCh	68, 32.048, 170.229
Yxy	38.0110, 0.2684, 0.3712
Android (android.graphics.Color)	4284659099 (0xFF62B59B)
YUV	153.2190, 0.8780, -48.4271
Hunter-Lab	61.6531, -28.3397, 7.6724

Details

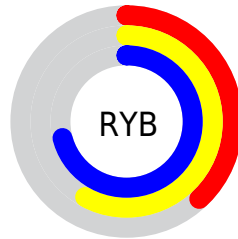
The XYZ color **27.4773, 38.0110, 36.8990** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **27.0632, 20.0154, 21.5073**, and the grayscale version is **30.3837, 31.9660, 34.8110**.

A 20% lighter version of the original color is **54.9297, 71.9441, 71.3131**, and **11.1727, 16.9301, 15.7757** is the 20% darker color. If you saturate the color by 10%, you get **25.2759, 36.9308, 34.3688**, and if you desaturate by 10%, it is **30.1448, 39.3308, 39.5695**.

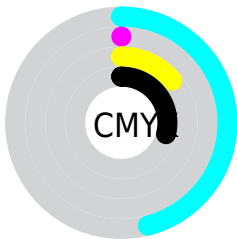
Distribution



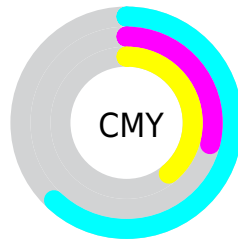
- Red (38%)
- Green (71%)
- Blue (61%)



- Red (38%)
- Yellow (58%)
- Blue (71%)



- Cyan (46%)
- Magenta (0%)
- Yellow (14%)
- Black (29%)



- Cyan (62%)
- Magenta (29%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4773, 38.0110, 36.8990 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 27.4773, 38.0110, 36.8990 by changing the saturation by 10% instead.

■ 27.4773, 38.0110,
36.8990

■ 27.4773, 38.0110,
36.8990

282.0863,
337.6672, 348.0286

■ 18.0705, 25.9912,
24.8341

■ 55.0633, 72.1250,
71.6020

■ 11.1006, 16.8171,
15.7356

■ 73.9732, 94.9880,
95.0772

■ 6.2023, 10.1042,
9.1849

■ 96.7815, 122.2342,
123.1930

■ 3.0103, 5.4681,
4.7636

■ 123.8536,
154.2480, 156.3678

■ 1.1592, 2.5244,
2.0529

155.5547,
191.4138, 195.0202

■ 0.0738, 0.8888,
0.5875

192.2503,

■ 0.0000, 0.0000,

234.1160, 239.5688

0.0000

234.3058,
282.7390, 290.4321

■ 27.4773, 38.0110,
36.8990

■ 27.4773, 38.0110,
36.8990

■ 25.2759, 36.9308,
34.3688

■ 30.1448, 39.3308,
39.5695

■ 23.5069, 36.0701,
31.9731

■ 33.3029, 40.8999,
42.3804

■ 22.1372, 35.4127,
29.7097


■ 36.9780, 42.7329,
45.3353


■ 21.1272, 34.9382,
27.5750

■ 41.1937, 44.8419,
48.4369

■ 20.4264, 34.6207,
25.5651


■ 45.9721, 47.2383,
51.6876

 20.1816, 34.5119,
24.7661

 51.3342, 49.9328,
55.0899

 57.2997, 52.9356,
58.6460

 63.8875, 56.2564,
62.3584

 68.9093, 58.7670,
66.1258

Harmonies

Analogous

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



29.2471, 38.0110, 26.1861



27.4773, 38.0110, 36.8990



27.8560, 38.0110, 51.6294

Triad

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



27.4773, 38.0110, 36.8990



39.5469, 38.0110, 72.8788



42.6173, 38.0110, 23.6628

Complementary

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



27.4773, 38.0110, 36.8990



27.0632, 20.0154, 21.5073

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.



45.8949, 38.0110, 32.5984



27.4773, 38.0110, 36.8990



44.0122, 38.0110, 61.5619

Square

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



27.4773, 38.0110, 36.8990



34.5250, 38.0110, 74.7846



46.4276, 38.0110, 46.2260



37.7805, 38.0110, 19.7919

Rectangle

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



27.4773, 38.0110, 36.8990



29.2899, 38.0110, 61.7812



46.4276, 38.0110, 46.2260



43.9560, 38.0110, 26.0624

Sweetspot

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



27.4784, 38.0125, 36.8999



67.3818, 77.1091, 82.0744



27.0829, 38.2374, 17.5091



14.2366, 16.5026, 17.4892



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.4784, 38.0125, 36.8999



45.2445, 66.1288, 61.5235



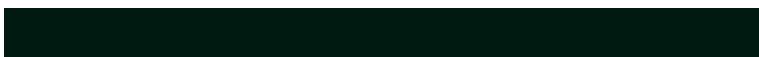
26.9756, 33.1280, 48.6904



8.6271, 9.5853, 10.2958



13.9446, 23.8038, 17.2429



0.4636, 0.7589, 0.6736

Inverse Universe

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



27.0632, 20.0154, 21.5073



44.4265, 29.8889, 30.6183



27.1912, 22.5653, 14.4784



8.6024, 8.5477, 9.4046



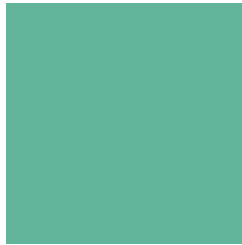
13.6689, 6.9851, 3.4167



0.4571, 0.2306, 0.2498

Previews

White Background



This preview shows how the XYZ color 27.4773, 38.0110, 36.8990 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 27.4773, 38.0110, 36.8990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

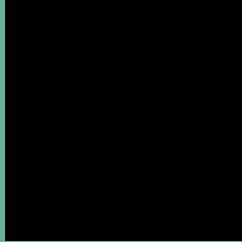
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.4773, 38.0110, 36.8990

Background



This preview shows how black text looks on a background with the XYZ color 27.4773, 38.0110, 36.8990.

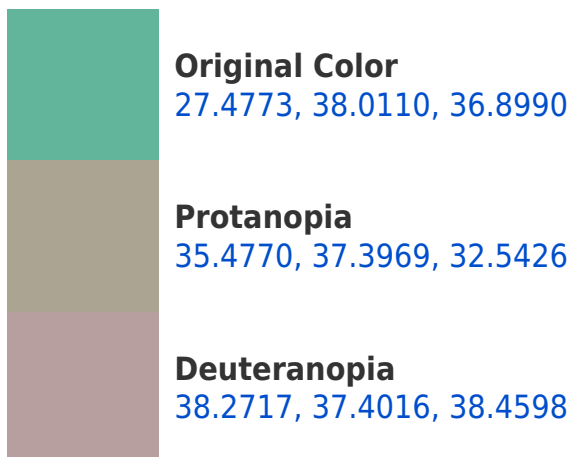


This preview shows how white text looks on a background with the XYZ color 27.4773, 38.0110,

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





Tritanopia

31.0039, 37.9565, 54.4075

Trichromacy



Original Color

27.4773, 38.0110, 36.8990

Protanomaly

31.4766, 36.9391, 33.9047

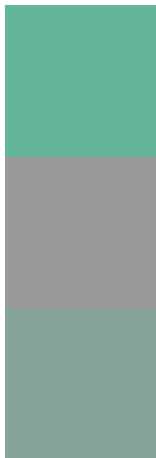
Deuteranomaly

32.9392, 36.7815, 37.7112

Tritanomaly

29.5651, 37.9582, 47.3634

Monochromacy



Original Color

27.4773, 38.0110, 36.8990

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

28.6028, 33.5140, 35.5332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4773, 38.0110, 36.8990 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(98, 181, 155)` looks like.

```
.text, #text, p{  
    color:rgb(98, 181, 155)  
}
```

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(98, 181, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 181, 155) }
```

Border

The CSS property to change the border of an element to XYZ 27.4773, 38.0110, 36.8990 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(98, 181, 155) }
```


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

```
.border{ border-color:rgb(98, 181, 155) }
```

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

Here you see how a box with a 4 pixel rgb(98, 181, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 181, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 181, 155);  
box-shadow:4px 4px 4px 4px rgb(98, 181,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4773, 38.0110, 36.8990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 181, 155) }
```

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

```
.background{ background-color: rgb(98, 181,  
155) }
```

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