

Converting Colors

XYZ(21.8480, 27.7548, 38.9214)

Have a look what the booklet for
XYZ(21.8480, 27.7548, 38.9214)
contains.

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Color

**XYZ(21.7337, 27.5945,
38.8311)**

Conversions

Conversions Part 1

Format	Color
Hex	539AA3
RGB	83, 154, 163
RGB Percent	33%, 60%, 64%
CMY	0.6745, 0.3961, 0.3608
CMYK	0.49, 0.06, 0.00, 0.36
HSL	187°, 33%, 48%
HSV	187°, 49%, 64%
XYZ	21.7337, 27.5945, 38.8311
YIQ	133.7970, -45.2050, -12.2530

Conversions

Conversions Part 2

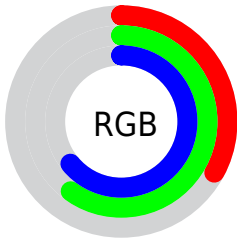
Format	Color
R _Y B	83, 121, 163
Decimal	5479075
CIE Lab	59.52, -19.77, -11.62
CIE LCh	60, 22.932, 210.453
Yxy	27.5945, 0.2465, 0.3130
Android (android.graphics.Color)	4283669155 (0xFF539AA3)
YUV	133.7970, 14.3971, -44.5490
Hunter-Lab	52.5305, -18.0766, -7.0565

Details

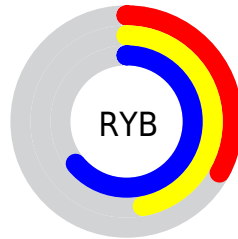
The XYZ color **21.7337, 27.5945, 38.8311** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.4932, 16.0658, 10.2052**, and the grayscale version is **22.5469, 23.7211, 25.8323**.

A 20% lighter version of the original color is **45.9366, 56.0662, 74.7304**, and **8.0504, 11.0188, 16.7415** is the 20% darker color. If you saturate the color by 10%, you get **20.1611, 26.3386, 38.6721**, and if you desaturate by 10%, it is **23.6507, 29.0361, 39.0088**.

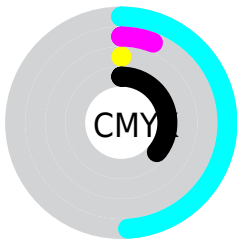
Distribution



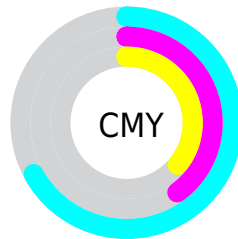
- Red (33%)
- Green (60%)
- Blue (64%)



- Red (33%)
- Yellow (47%)
- Blue (64%)



- Cyan (49%)
- Magenta (6%)
- Yellow (0%)
- Black (36%)



- Cyan (67%)
- Magenta (40%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7337, 27.5945, 38.8311 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 21.7337, 27.5945, 38.8311 by changing the saturation by 10% instead.

■ 21.7337, 27.5945,
38.8311

■ 21.7337, 27.5945,
38.8311

253.8110,
290.5242, 356.5764

■ 13.7769, 18.0202,
26.3215

■ 45.7876, 55.8364,
74.5977

■ 8.0463, 10.9645,
16.8364

■ 62.6154, 75.2728,
98.6919

■ 4.1766, 6.0430,
9.9572

■ 83.1308, 98.7653,
127.4846

■ 1.8025, 2.8712,
5.2654

■ 107.6994,
126.6984, 161.3945

■ 0.5192, 1.0649,
2.3423

■ 136.6863,
159.4565, 200.8401

■ 0.0000, 0.0000,
0.7548

170.4570,

■ 0.0000, 0.0000,

197.4238, 246.2399

0.0000

209.3767,
240.9849, 298.0125

■ 21.7337, 27.5945,
38.8311

■ 21.7337, 27.5945,
38.8311

■ 20.1611, 26.3386,
38.6721

■ 23.6507, 29.0361,
39.0088

■ 18.9063, 25.2527,
38.5286

■ 25.9314, 30.6714,
39.2042

■ 17.9429, 24.3238,
38.4001

■ 28.5964, 32.5118,
39.4190

■ 17.2390, 23.5356,
38.2850

■ 31.6644, 34.5668,
39.6540

■ 16.7300, 22.8545,
38.1804

■ 35.1524, 36.8454,
39.9100

■ 16.6854, 22.7932,
38.1709

■ 39.0769, 39.3560,
40.1877

■ 43.4531, 42.1065,
40.4880

■ 48.2957, 45.1046,
40.8114

■ 53.6187, 48.3573,
41.1587

Harmonies

Analogous

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



21.0662, 27.5945, 30.1714



21.7337, 27.5945, 38.8311



23.5881, 27.5945, 46.0800

Triad

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



21.7337, 27.5945, 38.8311



31.3515, 27.5945, 38.5738



26.1840, 27.5945, 16.8029

Complementary

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



21.7337, 27.5945, 38.8311



20.4932, 16.0658, 10.2052

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.



29.0573, 27.5945, 18.2433



21.7337, 27.5945, 38.8311



32.1702, 27.5945, 29.9204

Square

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



21.7337, 27.5945, 38.8311



29.1386, 27.5945, 45.9134



31.3022, 27.5945, 22.6967



23.5175, 27.5945, 18.3334

Rectangle

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



21.7337, 27.5945, 38.8311



25.3191, 27.5945, 48.5770



31.3022, 27.5945, 22.6967



27.1579, 27.5945, 16.9523

Sweetspot

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



21.7345, 27.5956, 38.8318



53.2144, 59.5776, 70.7511



18.5534, 28.7893, 14.4773



11.7114, 13.2189, 15.8718



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.7345, 27.5956, 38.8318



35.8528, 46.9585, 69.2304



16.3095, 16.7456, 37.0234



7.2078, 7.8746, 9.0431



12.9882, 17.7557, 29.6724



0.2909, 0.4091, 0.6295

Inverse Universe

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



24.0309, 16.3068, 32.4539



40.5881, 24.7843, 55.8313



24.7825, 24.6444, 11.6350



7.3299, 7.1884, 8.7234



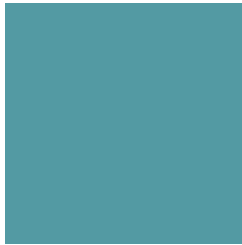
15.7013, 7.6366, 21.4154



0.3390, 0.1641, 0.4979

Previews

White Background



This preview shows how the XYZ color 21.7337, 27.5945, 38.8311 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7337, 27.5945, 38.8311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

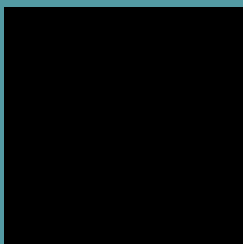
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

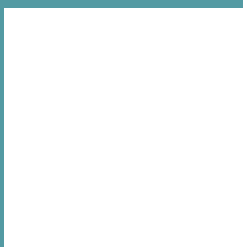
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7337, 27.5945, 38.8311

Background



This preview shows how black text looks on a background with the XYZ color 21.7337, 27.5945, 38.8311.

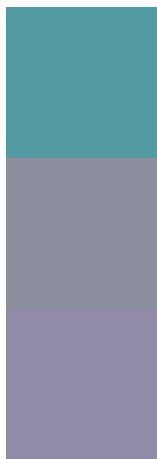


This preview shows how white text looks on a background with the XYZ color 21.7337, 27.5945,

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

21.7337, 27.5945, 38.8311

Protanopia

26.5739, 27.3753, 34.8937

Deuteranopia

27.7926, 27.2382, 39.8691



Tritanopia

22.0947, 27.7492, 40.2680

Trichromacy



Original Color

21.7337, 27.5945, 38.8311

Protanomaly

24.1962, 27.0195, 36.2878

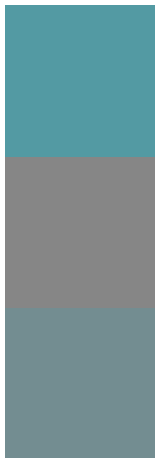
Deuteranomaly

24.7908, 26.8007, 39.4637

Tritanomaly

22.0033, 27.7126, 39.7867

Monochromacy



Original Color

21.7337, 27.5945, 38.8311

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.7059, 24.7389, 30.4191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7337, 27.5945, 38.8311 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(83, 154, 163)` looks like.

```
.text, #text, p{  
    color:rgb(83, 154, 163)  
}
```

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(83, 154, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 154, 163) }
```

Border

The CSS property to change the border of an element to XYZ 21.7337, 27.5945, 38.8311 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(83, 154, 163) }
```


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

```
.border{ border-color:rgb(83, 154, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 154, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 154, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 154, 163);  
box-shadow:4px 4px 4px 4px rgb(83, 154,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7337, 27.5945, 38.8311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 154, 163) }
```

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

```
.background{ background-color: rgb(83, 154,  
163) }
```

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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