

Converting Colors

XYZ(20.7909, 27.3218, 36.7927)

Have a look what the booklet for
XYZ(20.7909, 27.3218, 36.7927)
contains.

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Color

**XYZ(20.8810, 27.4417,
36.9971)**

Conversions

Conversions Part 1

Format	Color
Hex	4B9B9F
RGB	75, 155, 159
RGB Percent	29%, 61%, 62%
CMY	0.7059, 0.3921, 0.3765
CMYK	0.53, 0.03, 0.00, 0.38
HSL	183°, 36%, 46%
HSV	183°, 53%, 62%
XYZ	20.8810, 27.4417, 36.9971
YIQ	131.5360, -48.9640, -15.7160

Conversions

Conversions Part 2

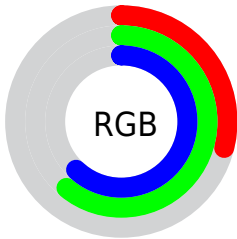
Format	Color
R_{YB}	75, 116, 159
Decimal	4955039
CIE _{Lab}	59.38, -23.22, -9.59
CIE _{LCh}	59, 25.123, 202.451
Yxy	27.4417, 0.2447, 0.3216
Android (android.graphics.Color)	4283145119 (0xFF4B9B9F)
YUV	131.5360, 13.5398, -49.5821
Hunter-Lab	52.3848, -20.5220, -5.2045

Details

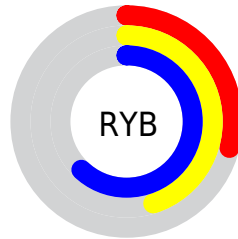
The XYZ color **20.8810, 27.4417, 36.9971** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.3646, 13.4715, 8.2897**, and the grayscale version is **21.7315, 22.8633, 24.8981**.

A 20% lighter version of the original color is **44.5443, 55.7735, 72.0360**, and **7.5821, 10.7961, 15.8716** is the 20% darker color. If you saturate the color by 10%, you get **19.6641, 26.6285, 36.9048**, and if you desaturate by 10%, it is **22.4112, 28.4188, 37.1055**.

Distribution



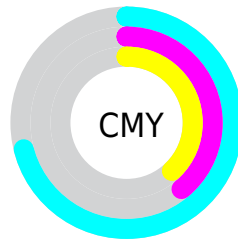
- Red (29%)
- Green (61%)
- Blue (62%)



- Red (29%)
- Yellow (45%)
- Blue (62%)



- Cyan (53%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)





- Cyan (71%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8810, 27.4417, 36.9971 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 20.8810, 27.4417, 36.9971 by changing the saturation by 10% instead.


 20.8810, 27.4417,
36.9971


 20.8810, 27.4417,
36.9971


249.3891,
289.7894, 348.4663


 13.1490, 17.9052,
24.9095


 44.3822, 55.5918,
71.7546


 7.6089, 10.8820,
15.7912


 60.8821, 74.9743,
95.2616


 3.8954, 5.9875,
9.2238


 81.0353, 98.4076,
123.4120

 1.6432, 2.8375,
4.7886

 105.2072,
126.2760, 156.6246

 0.4203, 1.0475,
2.0672

 133.7632,
158.9640, 195.3178

 0.0000, 0.0000,
0.5962

167.0686,

 0.0000, 0.0000,

196.8560, 239.9101

0.0000

205.4888,
240.3363, 290.8201

■ 20.8810, 27.4417,
36.9971

■ 20.8810, 27.4417,
36.9971

■ 19.6641, 26.6285,
36.9048

■ 22.4112, 28.4188,
37.1055

■ 18.7343, 25.9640,
36.8255

■ 24.2733, 29.5675,
37.2291

■ 18.0655, 25.4351,
36.7587

■ 26.4875, 30.8989,
37.3694

■ 17.6256, 25.0254,
36.7028

■ 29.0717, 32.4222,
37.5272

■ 17.3943, 24.7757,
36.6668

■ 32.0424, 34.1460,
37.7034

■ 35.4152, 36.0783,
37.8986

■ 39.2050, 38.2266,
38.1135

■ 43.4257, 40.5984,
38.3488

■ 48.0907, 43.2003,
38.6052

Harmonies

Analogous

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



20.5328, 27.4417, 27.6604



20.8810, 27.4417, 36.9971



22.5664, 27.4417, 45.8299

Triad

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



20.8810, 27.4417, 36.9971



31.1794, 27.4417, 41.7320



26.8854, 27.4417, 15.7837

Complementary

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



20.8810, 27.4417, 36.9971



18.3646, 13.4715, 8.2897

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.



29.9462, 27.4417, 18.1396



20.8810, 27.4417, 36.9971



32.5517, 27.4417, 32.2139

Square

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



20.8810, 27.4417, 36.9971



28.4620, 27.4417, 48.9244



32.0832, 27.4417, 23.7386



23.8395, 27.4417, 16.5560

Rectangle

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



20.8810, 27.4417, 36.9971



24.3005, 27.4417, 49.6321



32.0832, 27.4417, 23.7386



27.9496, 27.4417, 16.2164

Sweetspot

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



20.8818, 27.4428, 36.9977



50.3781, 57.0761, 67.1050



16.6684, 26.8399, 11.4731



11.1551, 12.7485, 15.1164



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.8818, 27.4428, 36.9977



34.9585, 47.5103, 66.0713



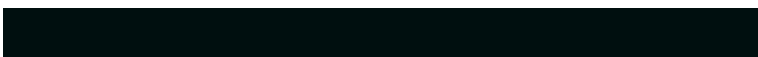
15.2003, 16.0797, 35.1039



6.7948, 7.4553, 8.4876



13.7472, 19.5860, 28.9632



0.2532, 0.3650, 0.5203

Inverse Universe

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



22.7312, 14.7704, 32.6643



38.6872, 22.6149, 57.1876



22.2612, 21.2646, 9.5886



6.8905, 6.7491, 8.2746



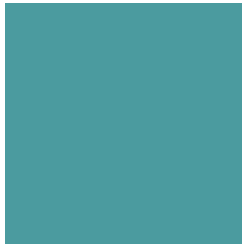
15.7372, 7.5994, 23.9307



0.2851, 0.1374, 0.4476

Previews

White Background



This preview shows how the XYZ color 20.8810, 27.4417, 36.9971 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 20.8810, 27.4417, 36.9971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

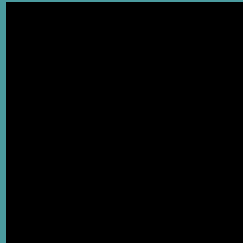
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8810, 27.4417, 36.9971

Background



This preview shows how black text looks on a background with the XYZ color 20.8810, 27.4417, 36.9971.

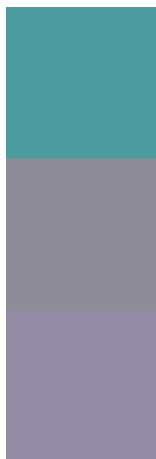


This preview shows how white text looks on a background with the XYZ color 20.8810, 27.4417,

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

20.8810, 27.4417, 36.9971

Protanopia

26.2661, 27.0349, 33.1120

Deuteranopia

27.6975, 27.2206, 38.4446



Tritanopia

21.5804, 27.4841, 40.2439

Trichromacy



Original Color

20.8810, 27.4417, 36.9971

Protanomaly

23.5828, 26.7424, 34.4907

Deuteranomaly

24.3927, 26.8525, 38.0798

Tritanomaly

21.2270, 27.3333, 38.8074

Monochromacy



Original Color

20.8810, 27.4417, 36.9971

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.8161, 24.0887, 29.1436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8810, 27.4417, 36.9971 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(75, 155, 159)` looks like.

```
.text, #text, p{  
  color:rgb(75, 155, 159)  
}
```

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(75, 155, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 155, 159) }
```

Border

The CSS property to change the border of an element to XYZ 20.8810, 27.4417, 36.9971 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(75, 155, 159) }
```


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

```
.border{ border-color:rgb(75, 155, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 155, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 155, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 155, 159);  
box-shadow:4px 4px 4px 4px rgb(75, 155,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8810, 27.4417, 36.9971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 155, 159) }
```

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

```
.background{ background-color: rgb(75, 155,  
159) }
```

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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