

Converting Colors

XYZ(20.2319, 27.2605, 36.4660)

Have a look what the booklet for
XYZ(20.2319, 27.2605, 36.4660)
contains.

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Color

**XYZ(20.3068, 27.4038,
36.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	429C9E
RGB	66, 156, 158
RGB Percent	26%, 61%, 62%
CMY	0.7412, 0.3882, 0.3804
CMYK	0.58, 0.01, 0.00, 0.38
HSL	181°, 41%, 44%
HSV	181°, 58%, 62%
XYZ	20.3068, 27.4038, 36.5669
YIQ	129.3180, -54.2820, -18.4580

Conversions

Conversions Part 2

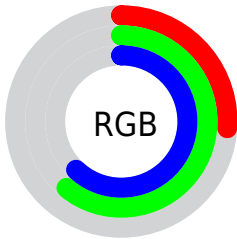
Format	Color
R _Y B	66, 111, 158
Decimal	4365470
CIE Lab	59.35, -25.86, -9.11
CIE LCh	59, 27.418, 199.409
Yxy	27.4038, 0.2410, 0.3252
Android (android.graphics.Color)	4282555550 (0xFF429C9E)
YUV	129.3180, 14.1402, -55.5299
Hunter-Lab	52.3486, -22.3674, -4.7716

Details

The XYZ color **20.3068, 27.4038, 36.5669** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.1516, 11.7973, 6.5281**, and the grayscale version is **20.9442, 22.0349, 23.9960**.

A 20% lighter version of the original color is **43.4729, 55.6036, 71.3921**, and **7.6042, 10.9622, 15.6250** is the 20% darker color. If you saturate the color by 10%, you get **19.3285, 26.8147, 36.5052**, and if you desaturate by 10%, it is **21.5810, 28.1469, 36.6437**.

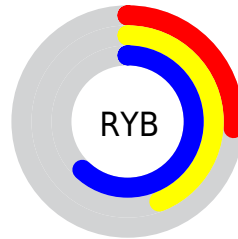
Distribution



Red (26%)

Green (61%)

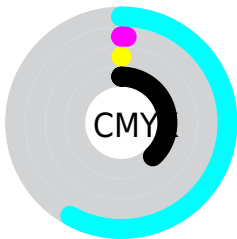
Blue (62%)



Red (26%)

Yellow (44%)

Blue (62%)

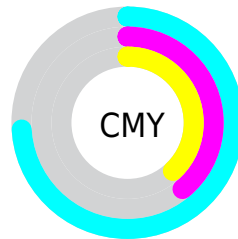


Cyan (58%)

Magenta (1%)

Yellow (0%)

Black (38%)



Cyan (74%)

Magenta (39%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3068, 27.4038, 36.5669 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 20.3068, 27.4038, 36.5669 by changing the saturation by 10% instead.

■ 20.3068, 27.4038,
36.5669

■ 20.3068, 27.4038,
36.5669

246.3732,
289.6070, 346.5437

■ 12.7278, 17.8767,
24.5792

■ 43.4310, 55.5312,
71.0850

■ 7.3171, 10.8615,
15.5477

■ 59.7069, 74.9002,
94.4525

■ 3.7093, 5.9738,
9.0538

■ 79.6125, 98.3188,
122.4504

■ 1.5390, 2.8291,
4.6790

■ 103.5131,
126.1711, 155.4971

■ 0.3521, 1.0432,
2.0047

■ 131.7742,
158.8417, 194.0113

■ 0.0000, 0.0000,
0.5582

164.7610,

■ 0.0000, 0.0000,

196.7150, 238.4114

0.0000

202.8389,
240.1753, 289.1160

■ 20.3068, 27.4038,
36.5669

■ 20.3068, 27.4038,
36.5669

■ 19.3285, 26.8147,
36.5052

■ 21.5810, 28.1469,
36.6437

■ 18.6188, 26.3637,
36.4556

■ 23.1706, 29.0522,
36.7346

■ 18.1494, 26.0368,
36.4172

■ 25.0964, 30.1312,
36.8414

■ 17.8665, 25.8063,
36.3877

■ 27.3767, 31.3931,
36.9648

■ 17.8213, 25.7680,
36.3826

■ 30.0286, 32.8468,
37.1056

■ 33.0679, 34.5004,
37.2646

■ 36.5095, 36.3617,
37.4425

■ 40.3677, 38.4380,
37.6399

■ 44.6559, 40.7362,
37.8575

Harmonies

Analogous

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



20.0853, 27.4038, 26.4985



20.3068, 27.4038, 36.5669



21.9856, 27.4038, 46.6070

Triad

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



20.3068, 27.4038, 36.5669



31.3840, 27.4038, 43.8964



27.2779, 27.4038, 14.8534

Complementary

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



20.3068, 27.4038, 36.5669



17.1516, 11.7973, 6.5281

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.



30.5789, 27.4038, 17.6679



20.3068, 27.4038, 36.5669



33.0840, 27.4038, 33.4471

Square

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



20.3068, 27.4038, 36.5669



28.3007, 27.4038, 51.4399



32.7770, 27.4038, 23.9899



23.9152, 27.4038, 15.3307

Rectangle

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



20.3068, 27.4038, 36.5669



23.7946, 27.4038, 51.2484



32.7770, 27.4038, 23.9899



28.4362, 27.4038, 15.4164

Sweetspot

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



20.3076, 27.4048, 36.5675



50.1175, 57.2303, 67.1485



15.5035, 26.0242, 9.6013



11.1107, 12.7989, 15.1285



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.



20.3076, 27.4048, 36.5675



34.6446, 48.4113, 66.2618



14.0455, 14.8806, 34.4802



6.8095, 7.4847, 8.4925



14.2768, 20.6451, 29.1397



0.2587, 0.3761, 0.5222

Inverse Universe

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



22.0502, 13.5666, 32.9100



38.1556, 20.9734, 58.7931



21.0494, 19.5929, 7.8274



6.8979, 6.7521, 8.3136



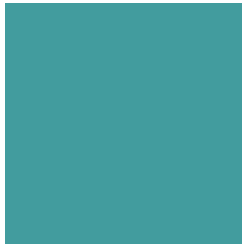
16.0045, 7.7064, 25.3382



0.2879, 0.1385, 0.4623

Previews

White Background



This preview shows how the XYZ color 20.3068, 27.4038, 36.5669 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 20.3068, 27.4038, 36.5669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

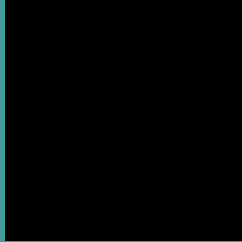
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3068, 27.4038, 36.5669

Background



This preview shows how black text looks on a background with the XYZ color 20.3068, 27.4038, 36.5669.

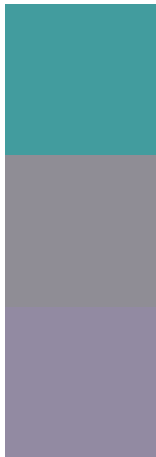


This preview shows how white text looks on a background with the XYZ color 20.3068, 27.4038,

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

20.3068, 27.4038, 36.5669

Protanopia

26.2774, 27.0593, 32.2718

Deuteranopia

27.4641, 26.8966, 37.9265



Tritanopia

21.2222, 27.5348, 40.7554

Trichromacy



Original Color

20.3068, 27.4038, 36.5669

Protanomaly

23.0166, 26.4696, 33.6018

Deuteranomaly

23.8945, 26.6059, 37.5943

Tritanomaly

20.8764, 27.3882, 39.3081

Monochromacy



Original Color

20.3068, 27.4038, 36.5669

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.9101, 23.4229, 28.2826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3068, 27.4038, 36.5669 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, 156, 158)` looks like.

```
.text, #text, p{  
    color:rgb(66, 156, 158)  
}
```

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, 156, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 156, 158) }
```

Border

The CSS property to change the border of an element to XYZ 20.3068, 27.4038, 36.5669 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, 156, 158) }
```


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

```
.border{ border-color:rgb(66, 156, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 156, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 156, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 156, 158);  
box-shadow:4px 4px 4px 4px rgb(66, 156,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3068, 27.4038, 36.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 156, 158) }
```

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

```
.background{ background-color: rgb(66, 156,  
158) }
```

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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