

Converting Colors

XYZ(20.8504, 27.4703, 39.3235)

Have a look what the booklet for
XYZ(20.8504, 27.4703, 39.3235)
contains.

XYZ(20.8061, 27.3520, 39.3048)	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(20.8061, 27.3520,
39.3048)**

Conversions

Conversions Part 1

Format	Color
Hex	449BA4
RGB	68, 155, 164
RGB Percent	27%, 61%, 64%
CMY	0.7333, 0.3921, 0.3569
CMYK	0.59, 0.05, 0.00, 0.36
HSL	186°, 41%, 45%
HSV	186°, 59%, 64%
XYZ	20.8061, 27.3520, 39.3048
YIQ	130.0130, -54.7410, -15.6450

Conversions

Conversions Part 2

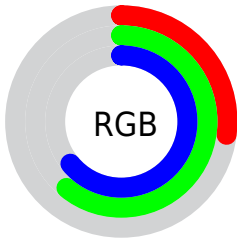
Format	Color
RYB	68, 114, 164
Decimal	4496292
CIELab	59.30, -23.23, -12.58
CIELCh	59, 26.413, 208.441
Yxy	27.3520, 0.2379, 0.3127
Android (android.graphics.Color)	4282686372 (0xFF449BA4)
YUV	130.0130, 16.7556, -54.3854
Hunter-Lab	52.2991, -20.5111, -7.9493

Details

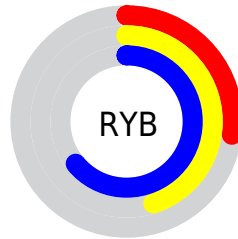
The XYZ color **20.8061, 27.3520, 39.3048** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.0077, 13.6183, 7.0964**, and the grayscale version is **21.1800, 22.2831, 24.2662**.

A 20% lighter version of the original color is **44.2902, 55.5676, 75.4091**, and **7.7749, 10.8703, 17.0176** is the 20% darker color. If you saturate the color by 10%, you get **19.5644, 26.3351, 39.1745**, and if you desaturate by 10%, it is **22.3727, 28.5425, 39.4525**.

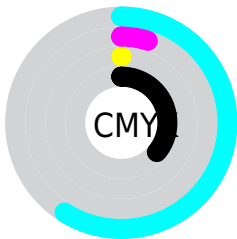
Distribution



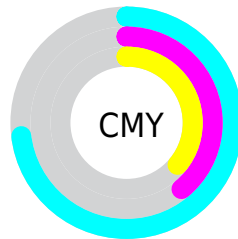
- Red (27%)
- Green (61%)
- Blue (64%)



- Red (27%)
- Yellow (45%)
- Blue (64%)



- Cyan (59%)
- Magenta (5%)
- Yellow (0%)
- Black (36%)



- Cyan (73%)
- Magenta (39%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8061, 27.3520, 39.3048 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 20.8061, 27.3520, 39.3048 by changing the saturation by 10% instead.

■ 20.8061, 27.3520,
39.3048

■ 20.8061, 27.3520,
39.3048

248.9975,
289.3574, 358.6492

■ 13.0940, 17.8378,
26.6873

■ 44.2583, 55.4482,
75.3292

■ 7.5707, 10.8336,
17.1081

■ 60.7291, 74.7990,
99.5731

■ 3.8710, 5.9550,
10.1488

■ 80.8503, 98.1973,
128.5296

■ 1.6294, 2.8178,
5.3909

■ 104.9870,
126.0277, 162.6172

■ 0.4115, 1.0373,
2.4157

■ 133.5047,
158.6745, 202.2544

■ 0.0000, 0.0000,
0.7949

166.7688,

■ 0.0000, 0.0000,

196.5222, 247.8598

0.0000

205.1446,
239.9550, 299.8519

■ 20.8061, 27.3520,
39.3048

■ 20.8061, 27.3520,
39.3048

■ 19.5644, 26.3351,
39.1745

■ 22.3727, 28.5425,
39.4525

■ 18.6176, 25.4744,
39.0582

■ 24.2860, 29.9159,
39.6168

■ 17.9345, 24.7544,
38.9553

■ 26.5687, 31.4847,
39.7993

■ 17.4553, 24.1444,
38.8628

■ 29.2411, 33.2592,
40.0009

■ 17.3896, 24.0577,
38.8495

■ 32.3217, 35.2490,
40.2226

■ 35.8280, 37.4633,
40.4652

■ 39.7765, 39.9104,
40.7295

■ 44.1827, 42.5985,
41.0161

■ 49.0614, 45.5351,
41.3258

Harmonies

Analogous

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



20.1547, 27.3520, 29.2900



20.8061, 27.3520, 39.3048



22.8149, 27.3520, 48.1112

Triad

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



20.8061, 27.3520, 39.3048



31.7893, 27.3520, 40.3442



26.1703, 27.3520, 15.0559

Complementary

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



20.8061, 27.3520, 39.3048



19.0077, 13.6183, 7.0964

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.



29.4626, 27.3520, 16.8226



20.8061, 27.3520, 39.3048



32.8721, 27.3520, 30.2789

Square

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



20.8061, 27.3520, 39.3048



29.1388, 27.3520, 48.7952



31.9872, 27.3520, 21.9362



23.0901, 27.3520, 16.4870

Rectangle

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



20.8061, 27.3520, 39.3048



24.7461, 27.3520, 51.3762



31.9872, 27.3520, 21.9362



27.2899, 27.3520, 15.2868

Sweetspot

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



20.8069, 27.3530, 39.3055



53.1788, 60.4369, 72.6150



16.9645, 28.3023, 11.4071



11.3146, 13.0082, 15.8520



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.



20.8069, 27.3530, 39.3055



34.9823, 47.3397, 71.0461



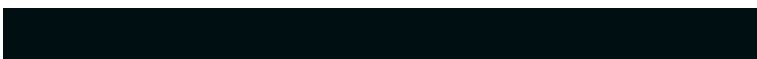
14.4481, 14.6353, 37.1858



7.2191, 7.8972, 9.0469



13.3519, 18.4833, 29.7937



0.2959, 0.4190, 0.6311

Inverse Universe

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



23.2941, 14.3941, 32.5621



40.0803, 22.1994, 56.9049



23.5616, 22.7260, 8.6144



7.3356, 7.1907, 8.7535



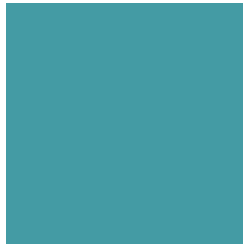
15.8849, 7.7100, 22.3823



0.3415, 0.1651, 0.5110

Previews

White Background



This preview shows how the XYZ color 20.8061, 27.3520, 39.3048 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 20.8061, 27.3520, 39.3048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

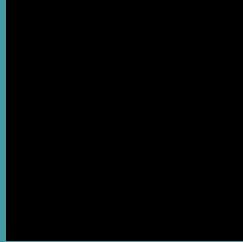
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8061, 27.3520, 39.3048

Background



This preview shows how black text looks on a background with the XYZ color 20.8061, 27.3520, 39.3048.



This preview shows how white text looks on a background with the XYZ color 20.8061, 27.3520,

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

20.8061, 27.3520, 39.3048

Protanopia

26.4258, 27.0790, 34.8443

Deuteranopia

27.6282, 27.1320, 40.8266



Tritanopia

21.1506, 27.4979, 40.7521

Trichromacy



Original Color

20.8061, 27.3520, 39.3048

Protanomaly

23.3899, 26.6038, 36.2500

Deuteranomaly

24.3029, 26.7538, 40.4423

Tritanomaly

21.0585, 27.4611, 40.2670

Monochromacy



Original Color

20.8061, 27.3520, 39.3048

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.1785, 23.5440, 29.0721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8061, 27.3520, 39.3048 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(68, 155, 164)` looks like.

```
.text, #text, p{  
    color:rgb(68, 155, 164)  
}
```

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(68, 155, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 155, 164) }
```

Border

The CSS property to change the border of an element to XYZ 20.8061, 27.3520, 39.3048 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(68, 155, 164) }
```


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

```
.border{ border-color:rgb(68, 155, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 155, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 155, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 155, 164);  
box-shadow:4px 4px 4px 4px rgb(68, 155,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8061, 27.3520, 39.3048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 155, 164) }
```

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

```
.background{ background-color: rgb(68, 155,  
164) }
```

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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