

Converting Colors

XYZ(20.0331, 27.4621, 38.8952)

Have a look what the booklet for
XYZ(20.0331, 27.4621, 38.8952)
contains.

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Color

**XYZ(20.0331, 27.4621,
38.8952)**

Conversions

Conversions Part 1

Format	Color
Hex	339DA3
RGB	51, 157, 163
RGB Percent	20%, 62%, 64%
CMY	0.8000, 0.3843, 0.3608
CMYK	0.69, 0.04, 0.00, 0.36
HSL	183°, 52%, 42%
HSV	183°, 69%, 64%
XYZ	20.0331, 27.4621, 38.8952
YIQ	125.9900, -65.1020, -20.6060

Conversions

Conversions Part 2

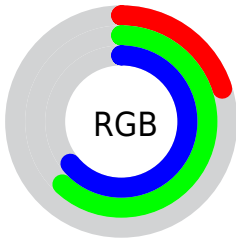
Format	Color
RYB	51, 105, 163
Decimal	3382691
CIELab	59.40, -27.44, -11.91
CIElCh	59, 29.912, 203.462
Yxy	27.4621, 0.2319, 0.3179
Android (android.graphics.Color)	4281572771 (0xFF339DA3)
YUV	125.9900, 18.2459, -65.7662
Hunter-Lab	52.4043, -23.4706, -7.3229

Details

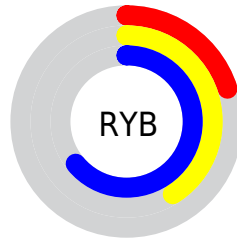
The XYZ color **20.0331, 27.4621, 38.8952** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.1656, 10.9526, 4.3422**, and the grayscale version is **19.7846, 20.8150, 22.6675**.

A 20% lighter version of the original color is **43.0084, 55.6596, 74.8063**, and **7.9208, 11.2508, 16.7931** is the 20% darker color. If you saturate the color by 10%, you get **19.2044, 26.8170, 38.8149**, and if you desaturate by 10%, it is **21.1525, 28.2598, 38.9907**.

Distribution



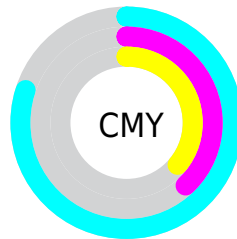
- Red (20%)
- Green (62%)
- Blue (64%)



- Red (20%)
- Yellow (41%)
- Blue (64%)



- Cyan (69%)
- Magenta (4%)
- Yellow (0%)
- Black (36%)



- Cyan (80%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0331, 27.4621, 38.8952 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 20.0331, 27.4621, 38.8952 by changing the saturation by 10% instead.

■ 20.0331, 27.4621,
38.8952

■ 20.0331, 27.4621,
38.8952

244.9244,
289.8876, 356.8574

■ 12.5275, 17.9206,
26.3710

■ 42.9762, 55.6245,
74.6968

■ 7.1787, 10.8930,
16.8731

■ 59.1444, 75.0142,
98.8112

■ 3.6215, 5.9949,
9.9831

■ 78.9309, 98.4554,
127.6262

■ 1.4903, 2.8420,
5.2823

■ 102.7009,
126.3324, 161.5602

■ 0.3192, 1.0498,
2.3522

■ 130.8200,
159.0298, 201.0318

■ 0.0000, 0.0000,
0.7602

163.6533,

■ 0.0000, 0.0000,

196.9319, 246.4595

0.0000

201.5663,
240.4230, 298.2618

■ 20.0331, 27.4621,
38.8952

■ 20.0331, 27.4621,
38.8952

■ 19.2044, 26.8170,
38.8149

■ 21.1525, 28.2598,
38.9907

■ 18.6321, 26.3050,
38.7462

■ 22.5870, 29.2210,
39.1006

■ 18.2563, 25.8959,
38.6870

■ 24.3616, 30.3591,
39.2267

■ 18.2112, 25.8449,
38.6796

■ 26.4978, 31.6851,
39.3701

■ 29.0155, 33.2094,
39.5316

■ 31.9332, 34.9415,
39.7122

■ 35.2679, 36.8902,
39.9125

■ 39.0360, 39.0638,
40.1335

■ 43.2528, 41.4704,
40.3758

Harmonies

Analogous

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



19.5764, 27.4621, 27.6123



20.0331, 27.4621, 38.8952



22.0419, 27.4621, 49.7404

Triad

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



20.0331, 27.4621, 38.8952



32.3313, 27.4621, 43.9504



26.9312, 27.4621, 13.7257

Complementary

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



20.0331, 27.4621, 38.8952



17.1656, 10.9526, 4.3422

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.



30.6321, 27.4621, 16.1946



20.0331, 27.4621, 38.8952



33.9368, 27.4621, 32.3139

Square

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



20.0331, 27.4621, 38.8952



29.0778, 27.4621, 53.1134



33.2871, 27.4621, 22.4136



23.3363, 27.4621, 14.6827

Rectangle

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



20.0331, 27.4621, 38.8952



24.1036, 27.4621, 54.3737



33.2871, 27.4621, 22.4136



28.2077, 27.4621, 14.1584

Sweetspot

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



20.0339, 27.4631, 38.8959



50.6855, 58.7067, 70.7162



15.1917, 27.1903, 8.2673



11.1145, 13.0226, 15.8653



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.



20.0339, 27.4631, 38.8959



33.8461, 47.5571, 69.4517



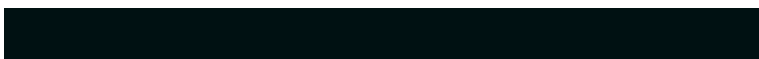
12.6696, 12.7345, 36.4411



7.2435, 7.9459, 9.0550



14.1640, 20.1074, 30.0644



0.3068, 0.4408, 0.6348

Inverse Universe

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



22.3746, 12.5893, 33.1501



38.4494, 19.6186, 57.8574



21.5632, 19.7478, 5.8080



7.3479, 7.1956, 8.8183



16.2948, 7.8740, 24.5408



0.3470, 0.1673, 0.5400

Previews

White Background



This preview shows how the XYZ color 20.0331, 27.4621, 38.8952 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 20.0331, 27.4621, 38.8952 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

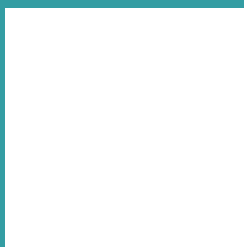
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0331, 27.4621, 38.8952

Background



This preview shows how black text looks on a background with the XYZ color 20.0331, 27.4621, 38.8952.

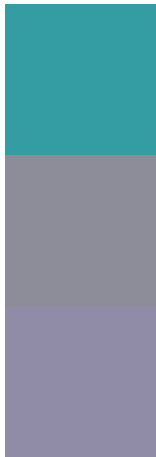


This preview shows how white text looks on a background with the XYZ color 20.0331, 27.4621,

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

20.0331, 27.4621, 38.8952

Protanopia

26.2592, 27.0124, 33.9669

Deuteranopia

27.7093, 27.1846, 40.3459



Tritanopia

20.5712, 27.4258, 41.7456

Trichromacy



Original Color

20.0331, 27.4621, 38.8952

Protanomaly

22.7039, 26.4899, 35.8147

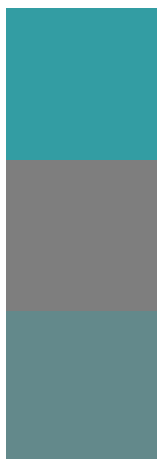
Deuteranomaly

23.5922, 26.6259, 39.9723

Tritanomaly

20.3317, 27.3238, 40.7617

Monochromacy



Original Color

20.0331, 27.4621, 38.8952

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.7515, 22.4080, 27.7630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0331, 27.4621, 38.8952 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(51, 157, 163)` looks like.

```
.text, #text, p{  
    color:rgb(51, 157, 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(51, 157, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 157, 163) }
```

Border

The CSS property to change the border of an element to XYZ 20.0331, 27.4621, 38.8952 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(51, 157, 163) }
```


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

```
.border{ border-color:rgb(51, 157, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 157, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 157, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 157, 163);  
box-shadow:4px 4px 4px 4px rgb(51, 157,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0331, 27.4621, 38.8952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 157, 163) }
```

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

```
.background{ background-color: rgb(51, 157,  
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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