

Converting Colors

XYZ(19.3490, 27.1473, 36.6130)

Have a look what the booklet for
XYZ(19.3490, 27.1473, 36.6130)
contains.

XYZ(19.3552, 27.1634, 36.5707)	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(19.3552, 27.1634,
36.5707)**

Conversions

Conversions Part 1

Format	Color
Hex	2E9D9E
RGB	46, 157, 158
RGB Percent	18%, 62%, 62%
CMY	0.8196, 0.3843, 0.3804
CMYK	0.71, 0.01, 0.00, 0.38
HSL	181°, 55%, 40%
HSV	181°, 71%, 62%
XYZ	19.3552, 27.1634, 36.5707
YIQ	123.9250, -66.4770, -23.2210

Conversions

Conversions Part 2

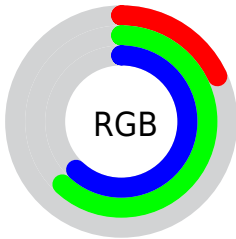
Format	Color
RYB	46, 102, 158
Decimal	3055006
CIELab	59.13, -29.65, -9.50
CIElCh	59, 31.135, 197.760
Yxy	27.1634, 0.2329, 0.3269
Android (android.graphics.Color)	4281245086 (0xFF2E9D9E)
YUV	123.9250, 16.7990, -68.3402
Hunter-Lab	52.1185, -24.9180, -5.1198

Details

The XYZ color **19.3552, 27.1634, 36.5707** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.6107, 9.4999, 3.5963**, and the grayscale version is **19.0958, 20.0903, 21.8783**.

A 20% lighter version of the original color is **41.8604, 55.1423, 71.3880**, and **7.7054, 11.1647, 15.6588** is the 20% darker color. If you saturate the color by 10%, you get **18.7467, 26.8149, 36.5360**, and if you desaturate by 10%, it is **20.2274, 27.6490, 36.6190**.

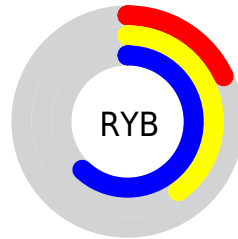
Distribution



Red (18%)

Green (62%)

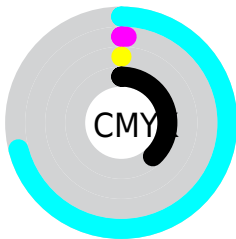
Blue (62%)



Red (18%)

Yellow (40%)

Blue (62%)

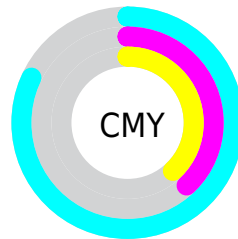


Cyan (71%)

Magenta (1%)

Yellow (0%)

Black (38%)



Cyan (82%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3552, 27.1634, 36.5707 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 19.3552, 27.1634, 36.5707 by changing the saturation by 10% instead.

■ 19.3552, 27.1634,
36.5707

■ 19.3552, 27.1634,
36.5707

241.3034,
288.4474, 346.5607

■ 12.0327, 17.6960,
24.5821

■ 41.8457, 55.1460,
71.0910

■ 6.8383, 10.7319,
15.5498

■ 57.7444, 74.4299,
94.4597

■ 3.4066, 5.8869,
9.0553

■ 77.2327, 97.7548,
122.4589

■ 1.3723, 2.7764,
4.6799

■ 100.6757,
125.5050, 155.5071

■ 0.2363, 1.0162,
2.0053

■ 128.4390,
158.0650, 194.0228

■ 0.0000, 0.0000,
0.5585

160.8877,

■ 0.0000, 0.0000,

195.8191, 238.4246

0.0000

198.3874,
239.1518, 289.1311

■ 19.3552, 27.1634,
36.5707

■ 19.3552, 27.1634,
36.5707

■ 18.7467, 26.8149,
36.5360

■ 20.2274, 27.6490,
36.6190

■ 18.3689, 26.5848,
36.5115

■ 21.3865, 28.2820,
36.6801

■ 18.1597, 26.4449,
36.4955

■ 22.8561, 29.0751,
36.7557

■ 24.6567, 30.0389,
36.8468

■ 26.8070, 31.1830,
36.9543

■ 29.3242, 32.5163,
37.0790

■ 32.2246, 34.0471,
37.2216

■ 35.5233, 35.7834,
37.3829

■ 39.2347, 37.7324,
37.5635

Harmonies

Analogous

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



19.2024, 27.1634, 25.2809



19.3552, 27.1634, 36.5707



21.1282, 27.1634, 48.3432

Triad

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



19.3552, 27.1634, 36.5707



31.7333, 27.1634, 46.3560



27.4293, 27.1634, 13.2457

Complementary

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



19.3552, 27.1634, 36.5707



15.6107, 9.4999, 3.5963

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.



31.1550, 27.1634, 16.4295



19.3552, 27.1634, 36.5707



33.8013, 27.1634, 34.3327

Square

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



19.3552, 27.1634, 36.5707



28.1569, 27.1634, 54.8933



33.5797, 27.1634, 23.5360



23.6124, 27.1634, 13.5593

Rectangle

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



19.3552, 27.1634, 36.5707



23.1006, 27.1634, 54.0364



33.5797, 27.1634, 23.5360



28.7406, 27.1634, 13.9012

Sweetspot

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



19.3560, 27.1644, 36.5713



48.4582, 56.5092, 67.0968



13.8473, 25.2324, 6.7259



10.6848, 12.6124, 15.1149



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.



19.3560, 27.1644, 36.5713



33.5997, 48.4293, 66.3203



12.0503, 12.5531, 34.1361



6.8168, 7.4993, 8.4949



14.5455, 21.1826, 29.2292



0.2615, 0.3816, 0.5231

Inverse Universe

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



21.1640, 11.6581, 33.0342



37.1137, 18.5868, 59.3793



19.3457, 16.9699, 4.8413



6.9016, 6.7536, 8.3330



16.1401, 7.7606, 26.0525



0.2893, 0.1391, 0.4697

Previews

White Background



This preview shows how the XYZ color 19.3552, 27.1634, 36.5707 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 19.3552, 27.1634, 36.5707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

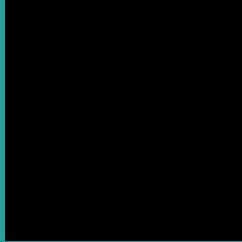
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.3552, 27.1634, 36.5707

Background



This preview shows how black text looks on a background with the XYZ color 19.3552, 27.1634, 36.5707.

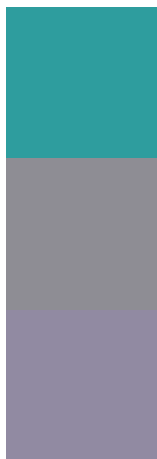


This preview shows how white text looks on a background with the XYZ color 19.3552, 27.1634,

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

19.3552, 27.1634, 36.5707

Protanopia

26.0255, 26.9387, 31.8450

Deuteranopia

27.2871, 26.8053, 37.9182



Tritanopia

20.2054, 26.9999, 41.1924

Trichromacy



Original Color

19.3552, 27.1634, 36.5707

Protanomaly

22.1646, 26.2602, 33.6063

Deuteranomaly

22.8651, 26.0752, 37.5461

Tritanomaly

19.9047, 27.1354, 39.3105

Monochromacy



Original Color

19.3552, 27.1634, 36.5707

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.0720, 21.8727, 26.5619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3552, 27.1634, 36.5707 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(46, 157, 158)` looks like.

```
.text, #text, p{  
  color:rgb(46, 157, 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(46, 157, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 157, 158) }
```

Border

The CSS property to change the border of an element to XYZ 19.3552, 27.1634, 36.5707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

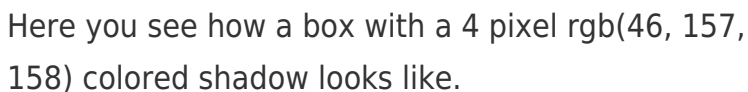
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(46, 157, 158) }
```


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

```
.border{ border-color:rgb(46, 157, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(46, 157, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 157, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 157, 158);  
box-shadow:4px 4px 4px 4px rgb(46, 157,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3552, 27.1634, 36.5707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 157, 158) }
```

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

```
.background{ background-color: rgb(46, 157,  
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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