

Converting Colors

XYZ(19.1729, 24.8481, 36.1343)

Have a look what the booklet for
XYZ(19.1729, 24.8481, 36.1343)
contains.

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Color

**XYZ(19.2157, 24.9136,
36.1438)**

Conversions

Conversions Part 1

Format	Color
Hex	45949E
RGB	69, 148, 158
RGB Percent	27%, 58%, 62%
CMY	0.7294, 0.4196, 0.3804
CMYK	0.56, 0.06, 0.00, 0.38
HSL	187°, 39%, 45%
HSV	187°, 56%, 62%
XYZ	19.2157, 24.9136, 36.1438
YIQ	125.5190, -50.2940, -13.6380

Conversions

Conversions Part 2

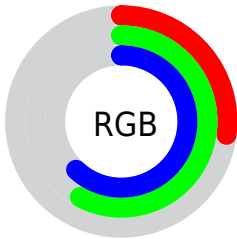
Format	Color
R _{YB}	69, 111, 158
Decimal	4560030
CIE _{Lab}	56.99, -21.16, -12.63
CIE _{LCh}	57, 24.646, 210.838
Y _{xy}	24.9136, 0.2394, 0.3104
Android (android.graphics.Color)	4282750110 (0xFF45949E)
YUV	125.5190, 16.0131, -49.5672
Hunter-Lab	49.9135, -18.6298, -7.9941

Details

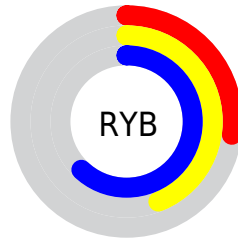
The XYZ color **19.2157, 24.9136, 36.1438** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.9713, 13.2914, 7.2493**, and the grayscale version is **19.6286, 20.6508, 22.4887**.

A 20% lighter version of the original color is **41.5882, 51.4051, 70.6810**, and **6.9285, 9.6109, 15.3998** is the 20% darker color. If you saturate the color by 10%, you get **17.9645, 23.8589, 36.0066**, and if you desaturate by 10%, it is **20.7711, 26.1325, 36.2975**.

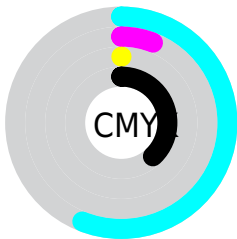
Distribution



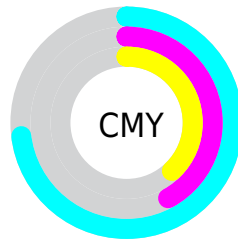
- Red (27%)
- Green (58%)
- Blue (62%)



- Red (27%)
- Yellow (44%)
- Blue (62%)



- Cyan (56%)
- Magenta (6%)
- Yellow (0%)
- Black (38%)



- Cyan (73%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2157, 24.9136, 36.1438 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 19.2157, 24.9136, 36.1438 by changing the saturation by 10% instead.

■ 19.2157, 24.9136,
36.1438

■ 19.2157, 24.9136,
36.1438

240.5523,
277.4074, 344.6450

■ 11.9312, 16.0127,
24.2547

■ 41.6123, 51.5170,
70.4255

■ 6.7687, 9.5331,
15.3087

■ 57.4551, 69.9883,
93.6552

■ 3.3629, 5.0905,
8.8873

■ 76.8814, 92.4186,
121.5021

■ 1.3485, 2.3005,
4.5719

■ 100.2565,
119.1921, 154.3849

■ 0.2190, 0.7740,
1.9441

■ 127.9458,
150.6934, 192.7221

■ 0.0000, 0.0000,
0.5206

160.3146,

■ 0.0000, 0.0000,

187.3067, 236.9321

0.0000

197.7283,
229.4166, 287.4336

■ 19.2157, 24.9136,
36.1438

■ 19.2157, 24.9136,
36.1438

■ 17.9645, 23.8589,
36.0066

■ 20.7711, 26.1325,
36.2975

■ 16.9910, 22.9532,
35.8831

■ 22.6501, 27.5241,
36.4671

■ 16.2679, 22.1828,
35.7725

■ 24.8730, 29.0994,
36.6540

■ 15.7547, 21.5269,
35.6730

■ 27.4579, 30.8677,
36.8591

■ 15.5862, 21.2978,
35.6376

■ 30.4216, 32.8377,
37.0831

■ 33.7799, 35.0176,
37.3269

■ 37.5475, 37.4150,
37.5911

■ 41.7384, 40.0372,
37.8763

■ 46.3662, 42.8912,
38.1833

Harmonies

Analogous

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



18.5398, 24.9136, 27.3603



19.2157, 24.9136, 36.1438



21.0702, 24.9136, 43.5595

Triad

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



19.2157, 24.9136, 36.1438



28.8791, 24.9136, 35.6574



23.5984, 24.9136, 14.1079

Complementary

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



19.2157, 24.9136, 36.1438



17.9713, 13.2914, 7.2493

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.



26.4961, 24.9136, 15.4539



19.2157, 24.9136, 36.1438



29.6911, 24.9136, 26.8944

Square

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



19.2157, 24.9136, 36.1438



26.6483, 24.9136, 43.2408



28.7863, 24.9136, 19.7498



20.9401, 24.9136, 15.6146

Rectangle

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



19.2157, 24.9136, 36.1438



22.8045, 24.9136, 46.0986



28.7863, 24.9136, 19.7498



24.5768, 24.9136, 14.2387

Sweetspot

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



19.2165, 24.9145, 36.1444



49.3601, 55.7156, 66.8961



16.0533, 26.2681, 11.4139



10.9219, 12.4212, 15.0655



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.



19.2165, 24.9145, 36.1444



32.0414, 42.8059, 65.3171



13.6375, 13.7565, 34.2847



6.7582, 7.3821, 8.4754



12.5007, 17.0930, 28.5477



0.2398, 0.3383, 0.5159

Inverse Universe

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



21.5746, 13.6642, 29.5182



36.9391, 20.8598, 51.2370



22.1841, 21.7170, 8.6535



6.8720, 6.7417, 8.1773



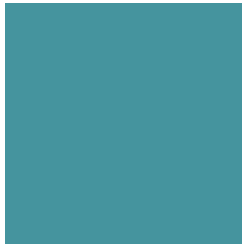
15.1080, 7.3478, 20.6175



0.2784, 0.1347, 0.4120

Previews

White Background



This preview shows how the XYZ color 19.2157, 24.9136, 36.1438 looks on a white background.

Color Contrast Check

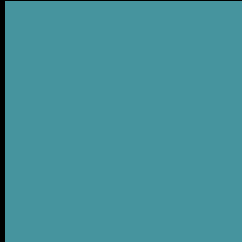
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2157, 24.9136, 36.1438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

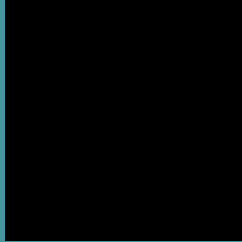
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2157, 24.9136, 36.1438

Background



This preview shows how black text looks on a background with the XYZ color 19.2157, 24.9136, 36.1438.

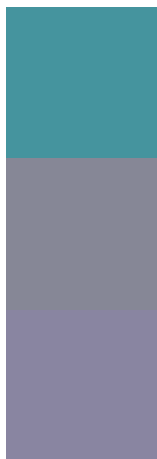


This preview shows how white text looks on a background with the XYZ color 19.2157, 24.9136,

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

19.2157, 24.9136, 36.1438

Protanopia

24.0005, 24.5983, 32.3371

Deuteranopia

25.1371, 24.6666, 37.1545



Tritanopia

19.4609, 25.0200, 37.0613

Trichromacy



Original Color

19.2157, 24.9136, 36.1438

Protanomaly

21.5583, 24.3711, 33.7048

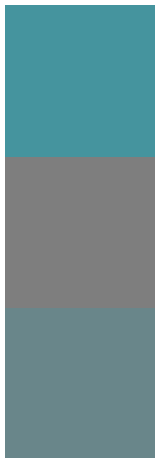
Deuteranomaly

22.1157, 24.1598, 36.7554

Tritanomaly

19.3737, 24.9851, 36.6024

Monochromacy



Original Color

19.2157, 24.9136, 36.1438

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.9382, 21.8884, 27.2715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2157, 24.9136, 36.1438 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(69, 148, 158)` looks like.

```
.text, #text, p{  
    color:rgb(69, 148, 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(69, 148, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 148, 158) }
```

Border

The CSS property to change the border of an element to XYZ 19.2157, 24.9136, 36.1438 is called "border". The border property can be set on classes, ids or directly on the HTML element.

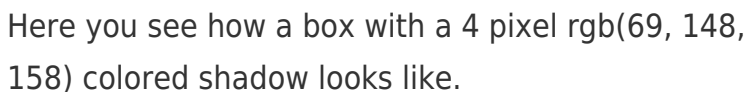
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(69, 148, 158) }
```


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

```
.border{ border-color:rgb(69, 148, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(69, 148, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(69, 148, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(69, 148, 158); box-shadow:4px 4px 4px 4px rgb(69, 148, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2157, 24.9136, 36.1438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 148, 158) }
```

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

```
.background{ background-color: rgb(69, 148,  
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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