

Converting Colors

XYZ(18.8661, 24.9366, 36.8188)

Have a look what the booklet for
XYZ(18.8661, 24.9366, 36.8188)
contains.

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Color

**XYZ(18.8689, 24.9588,
36.6239)**

Conversions

Conversions Part 1

Format	Color
Hex	3C959F
RGB	60, 149, 159
RGB Percent	24%, 58%, 62%
CMY	0.7647, 0.4157, 0.3765
CMYK	0.62, 0.06, 0.00, 0.38
HSL	186°, 45%, 43%
HSV	186°, 62%, 62%
XYZ	18.8689, 24.9588, 36.6239
YIQ	123.5290, -56.2540, -15.7580

Conversions

Conversions Part 2

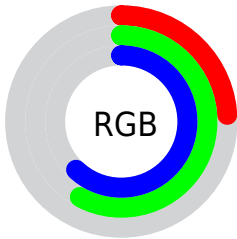
Format	Color
R _{YB}	60, 107, 159
Decimal	3970463
CIE _{Lab}	57.04, -23.13, -13.17
CIE _{LCh}	57, 26.613, 209.655
Y _{xy}	24.9588, 0.2345, 0.3102
Android (android.graphics.Color)	4282160543 (0xFF3C959F)
Y _{UV}	123.5290, 17.4872, -55.7149
Hunter-Lab	49.9588, -20.0103, -8.4933




Details

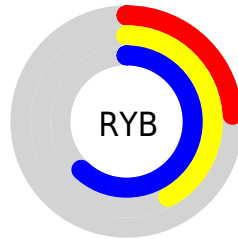
The XYZ color **18.8689, 24.9588, 36.6239** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.3043, 12.0779, 5.6948**, and the grayscale version is **18.9596, 19.9470, 21.7223**.




A 20% lighter version of the original color is **40.9647, 51.4185, 71.3840**, and **7.0745, 9.8181, 15.7096** is the 20% darker color. If you saturate the color by 10%, you get **17.7968, 24.0321, 36.5020**, and if you desaturate by 10%, it is **20.2347, 26.0432, 36.7617**.

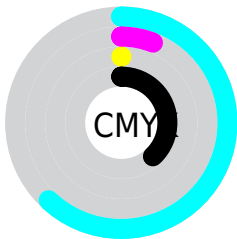
Distribution







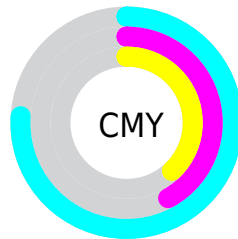
-  Red (24%)
-  Green (58%)
-  Blue (62%)






-  Red (24%)
-  Yellow (42%)
-  Blue (62%)



-  Cyan (62%)
-  Magenta (6%)
-  Yellow (0%)
-  Black (38%)



-  Cyan (76%)
-  Magenta (42%)
-  Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8689, 24.9588, 36.6239 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 18.8689, 24.9588, 36.6239 by changing the saturation by 10% instead.

■ 18.8689, 24.9588,
36.6239

■ 18.8689, 24.9588,
36.6239

238.6761,
277.6327, 346.7989

■ 11.6790, 16.0464,
24.6229

■ 41.0310, 51.5904,
71.1738

■ 6.5962, 9.5570,
15.5799

■ 56.7340, 70.0783,
94.5598

■ 3.2549, 5.1062,
9.0762

■ 76.0054, 92.5269,
122.5779

■ 1.2900, 2.3097,
4.6935

■ 99.2106, 119.3204,
155.6467

■ 0.1757, 0.7788,
2.0130

■ 126.7149,
150.8434, 194.1846

■ 0.0000, 0.0000,
0.5632

158.8837,

■ 0.0000, 0.0000,

187.4802, 238.6103

0.0000

196.0823,
229.6151, 289.3422

■ 18.8689, 24.9588,
36.6239

■ 18.8689, 24.9588,
36.6239

■ 17.7968, 24.0321,
36.5020

■ 20.2347, 26.0432,
36.7617

■ 16.9893, 23.2464,
36.3929

■ 21.9152, 27.2946,
36.9146

■ 16.4153, 22.5862,
36.2957

■ 23.9325, 28.7248,
37.0844

■ 16.0719, 22.1309,
36.2259

■ 26.3056, 30.3437,
37.2718

■ 29.0524, 32.1605,
37.4777

■ 32.1894, 34.1838,
37.7029

■ 35.7322, 36.4216,
37.9481

■ 39.6956, 38.8815,
38.2140

■ 44.0935, 41.5708,
38.5013

Harmonies

Analogous

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



18.2005, 24.9588, 27.0724



18.8689, 24.9588, 36.6239



20.8111, 24.9588, 44.9231

Triad

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



18.8689, 24.9588, 36.6239



29.3028, 24.9588, 36.8433



23.7588, 24.9588, 13.3305

Complementary

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



18.8689, 24.9588, 36.6239



17.3043, 12.0779, 5.6948

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.



26.8938, 24.9588, 14.8531



18.8689, 24.9588, 36.6239



30.2619, 24.9588, 27.2797

Square

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



18.8689, 24.9588, 36.6239



26.8257, 24.9588, 45.0681



29.3445, 24.9588, 19.5109



20.8685, 24.9588, 14.7839

Rectangle

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



18.8689, 24.9588, 36.6239



22.6585, 24.9588, 47.8949



29.3445, 24.9588, 19.5109



24.8194, 24.9588, 13.5053

Sweetspot

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



18.8697, 24.9597, 36.6245



48.4669, 55.2486, 66.8530



15.3645, 26.1984, 10.0254



10.6410, 12.2648, 15.0502



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.



18.8697, 24.9597, 36.6245



31.2151, 42.4234, 65.2868



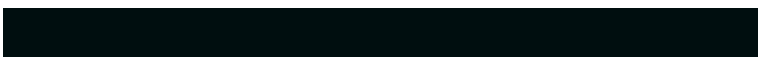
12.6410, 12.5024, 34.5483



6.7646, 7.3949, 8.4775



12.7113, 17.5142, 28.6179



0.2421, 0.3429, 0.5166

Inverse Universe

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



21.3394, 12.7732, 29.7756



36.2119, 19.3818, 51.0675



21.7588, 20.9869, 7.1796



6.8753, 6.7430, 8.1943



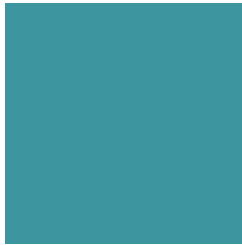
15.2143, 7.3903, 21.1772



0.2795, 0.1351, 0.4181

Previews

White Background



This preview shows how the XYZ color 18.8689, 24.9588, 36.6239 looks on a white background.

Color Contrast Check

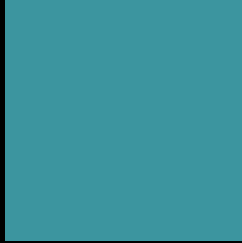
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8689, 24.9588, 36.6239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

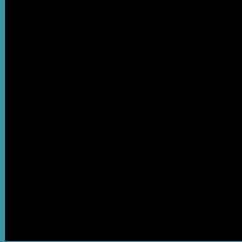
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8689, 24.9588, 36.6239

Background



This preview shows how black text looks on a background with the XYZ color 18.8689, 24.9588, 36.6239.

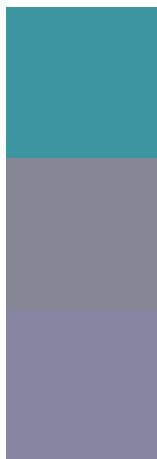


This preview shows how white text looks on a background with the XYZ color 18.8689, 24.9588,

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

18.8689, 24.9588, 36.6239

Protanopia

24.0005, 24.5983, 32.3371

Deuteranopia

25.1517, 24.6536, 38.0833



Tritanopia

19.1049, 25.0602, 37.5484

Trichromacy



Original Color

18.8689, 24.9588, 36.6239

Protanomaly

21.1913, 24.1819, 33.6877

Deuteranomaly

21.9385, 24.2620, 37.7092

Tritanomaly

19.0171, 25.0251, 37.0857

Monochromacy



Original Color

18.8689, 24.9588, 36.6239

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.2697, 21.3479, 26.8246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8689, 24.9588, 36.6239 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(60, 149, 159)` looks like.

```
.text, #text, p{  
    color:rgb(60, 149, 159)  
}
```

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(60, 149, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 149, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.8689, 24.9588, 36.6239 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(60, 149, 159) }
```


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

```
.border{ border-color:rgb(60, 149, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 149, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 149, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 149, 159);  
box-shadow:4px 4px 4px 4px rgb(60, 149,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8689, 24.9588, 36.6239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 149, 159) }
```

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

```
.background{ background-color: rgb(60, 149,  
159) }
```

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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