

Converting Colors

XYZ(19.7938, 22.4089, 35.9578)

Have a look what the booklet for
XYZ(19.7938, 22.4089, 35.9578)
contains.

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Color

**XYZ(19.7459, 22.3179,
36.0680)**

Conversions

Conversions Part 1

Format	Color
Hex	60879F
RGB	96, 135, 159
RGB Percent	38%, 53%, 62%
CMY	0.6235, 0.4706, 0.3765
CMYK	0.40, 0.15, 0.00, 0.38
HSL	203°, 25%, 50%
HSV	203°, 40%, 62%
XYZ	19.7459, 22.3179, 36.0680
YIQ	126.0750, -30.9480, -0.8040

Conversions

Conversions Part 2

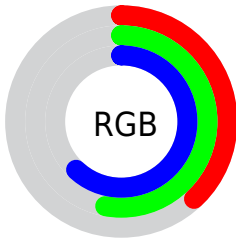
Format	Color
R_{YB}	96, 120, 159
Decimal	6326175
CIE _{Lab}	54.36, -7.16, -17.07
CIE _{LCh}	54, 18.508, 247.251
Yxy	22.3179, 0.2527, 0.2856
Android (android.graphics.Color)	4284516255 (0xFF60879F)
YUV	126.0750, 16.2320, -26.3758
Hunter-Lab	47.2418, -8.0647, -12.1972

Details

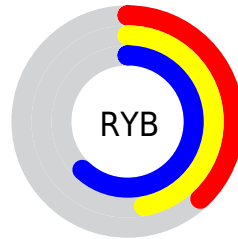
The XYZ color **19.7459, 22.3179, 36.0680** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.1265, 21.6492, 14.0270**, and the grayscale version is **19.8114, 20.8431, 22.6981**.

A 20% lighter version of the original color is **42.5152, 47.2110, 70.4902**, and **7.0375, 8.1376, 15.3872** is the 20% darker color. If you saturate the color by 10%, you get **17.4181, 19.8992, 35.7242**, and if you desaturate by 10%, it is **22.4616, 25.0089, 36.4447**.

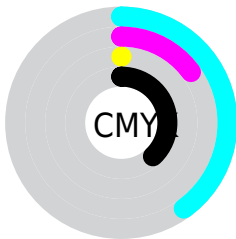
Distribution



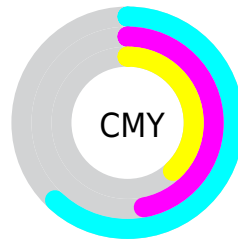
- Red (38%)
- Green (53%)
- Blue (62%)



- Red (38%)
- Yellow (47%)
- Blue (62%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (38%)



- Cyan (62%)
- Magenta (47%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7459, 22.3179, 36.0680 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 19.7459, 22.3179, 36.0680 by changing the saturation by 10% instead.

■ 19.7459, 22.3179,
36.0680

■ 19.7459, 22.3179,
36.0680

243.3961,
264.2020, 344.3041

■ 12.3177, 14.0907,
24.1966

■ 42.4980, 47.2709,
70.3072

■ 7.0341, 8.1838,
15.2660

■ 58.5525, 64.7654,
93.5122

■ 3.5300, 4.2128,
8.8576

■ 78.2132, 86.1178,
121.3320

■ 1.4398, 1.7933,
4.5529

■ 101.8453,
111.7125, 154.1853

■ 0.2843, 0.4830,
1.9333

129.8143,
141.9338, 192.4906

■ 0.0000, 0.0000,
0.5138

162.4856,

■ 0.0000, 0.0000,

177.1663, 236.6665

0.0000

200.2243,
217.7942, 287.1315

■ 19.7459, 22.3179,
36.0680

■ 19.7459, 22.3179,
36.0680

■ 17.4181, 19.8992,
35.7242

■ 22.4616, 25.0089,
36.4447

■ 15.4547, 17.7382,
35.4106

■ 25.5825, 27.9809,
36.8538

■ 13.8329, 15.8222,
35.1262

■ 29.1277, 31.2452,
37.2971

■ 12.5261, 14.1363,
34.8697

■ 33.1141, 34.8118,
37.7754

■ 11.5032, 12.6633,
34.6393

■ 37.5578, 38.6899,
38.2897

■ 10.6953, 11.3664,
34.4316

■ 42.4739, 42.8884,
38.8410

■ 10.6661, 11.3192,
34.4240

■ 47.8770, 47.4159,
39.4301

■ 53.7809, 52.2804,
40.0579

■ 60.1989, 57.4899,
40.7252

Harmonies

Analogous

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



18.2690, 22.3179, 31.6735



19.7459, 22.3179, 36.0680



21.7064, 22.3179, 37.0876

Triad

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



19.7459, 22.3179, 36.0680



25.3029, 22.3179, 22.9235



18.9476, 22.3179, 16.4789

Complementary

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



19.7459, 22.3179, 36.0680



23.1265, 21.6492, 14.0270

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.



20.7261, 22.3179, 14.8528



19.7459, 22.3179, 36.0680



24.4563, 22.3179, 18.1707

Square

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



19.7459, 22.3179, 36.0680



24.9992, 22.3179, 28.8600



22.7500, 22.3179, 15.4190



17.8289, 22.3179, 20.2482

Rectangle

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



19.7459, 22.3179, 36.0680



23.0408, 22.3179, 35.5898



22.7500, 22.3179, 15.4190



19.4835, 22.3179, 15.6932

Sweetspot

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



19.7466, 22.3188, 36.0685



50.4340, 54.3809, 66.5818



20.5585, 28.6180, 21.9254



11.1941, 12.0988, 14.9890



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.



19.7466, 22.3188, 36.0685



31.4671, 35.9286, 64.0199



16.0733, 14.9722, 34.8441



6.6094, 7.0845, 8.4258



8.4655, 9.0225, 27.2026



0.1912, 0.2410, 0.4997

Inverse Universe

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



22.8548, 17.4868, 25.0932



38.0476, 26.6573, 40.5685



27.4123, 30.2207, 15.4556



6.7969, 6.7117, 7.7818



13.0712, 6.5330, 9.8918



0.2538, 0.1249, 0.2827

Previews

White Background



This preview shows how the XYZ color 19.7459, 22.3179, 36.0680 looks on a white background.

Color Contrast Check

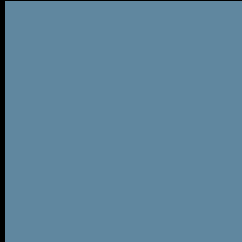
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7459, 22.3179, 36.0680 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

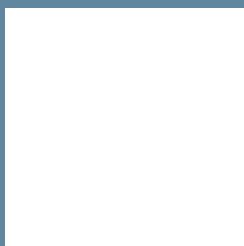
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7459, 22.3179, 36.0680

Background



This preview shows how black text looks on a background with the XYZ color 19.7459, 22.3179, 36.0680.



This preview shows how white text looks on a background with the XYZ color 19.7459, 22.3179,

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

19.7459, 22.3179, 36.0680

Protanopia

21.8641, 22.0565, 33.6768

Deuteranopia

22.6266, 22.1876, 36.8083



Tritanopia

18.8052, 22.3566, 31.3411

Trichromacy



Original Color

19.7459, 22.3179, 36.0680

Protanomaly

21.0565, 22.2103, 34.6297

Deuteranomaly

21.3980, 22.1482, 36.4049

Tritanomaly

19.0877, 22.2550, 32.9954

Monochromacy



Original Color

19.7459, 22.3179, 36.0680

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.5079, 21.1803, 27.1048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7459, 22.3179, 36.0680 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(96, 135, 159) looks like.

```
.text, #text, p{  
    color:rgb(96, 135, 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(96, 135, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 135, 159) }
```

Border

The CSS property to change the border of an element to XYZ 19.7459, 22.3179, 36.0680 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(96, 135, 159) }
```


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

```
.border{ border-color:rgb(96, 135, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 135, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 135, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 135, 159);  
box-shadow:4px 4px 4px 4px rgb(96, 135,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7459, 22.3179, 36.0680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 135, 159) }
```

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

```
.background{ background-color: rgb(96, 135,  
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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