

Converting Colors

XYZ(19.8621, 22.9299, 36.2141)

Have a look what the booklet for
XYZ(19.8621, 22.9299, 36.2141)
contains.

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Color

**XYZ(19.8607, 23.0073,
36.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	5D8A9F
RGB	93, 138, 159
RGB Percent	36%, 54%, 62%
CMY	0.6353, 0.4588, 0.3765
CMYK	0.42, 0.13, 0.00, 0.38
HSL	199°, 26%, 49%
HSV	199°, 42%, 62%
XYZ	19.8607, 23.0073, 36.1950
YIQ	126.9390, -33.5610, -3.0090

Conversions

Conversions Part 2

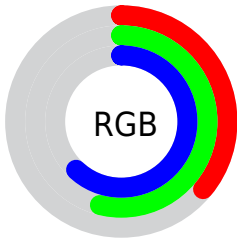
Format	Color
R_{YB}	93, 120, 159
Decimal	6130335
CIE _{Lab}	55.08, -9.68, -15.99
CIE _{LCh}	55, 18.693, 238.828
Yxy	23.0073, 0.2512, 0.2910
Android (android.graphics.Color)	4284320415 (0xFF5D8A9F)
YUV	126.9390, 15.8061, -29.7645
Hunter-Lab	47.9659, -10.0309, -11.1640

Details

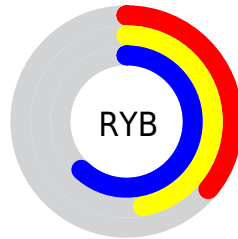
The XYZ color **19.8607, 23.0073, 36.1950** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2917, 20.1964, 13.0800**, and the grayscale version is **20.1082, 21.1554, 23.0382**.

A 20% lighter version of the original color is **42.6225, 48.2276, 70.6808**, and **7.1109, 8.5336, 15.4597** is the 20% darker color. If you saturate the color by 10%, you get **17.7068, 20.8449, 35.8915**, and if you desaturate by 10%, it is **22.3845, 25.4116, 36.5265**.

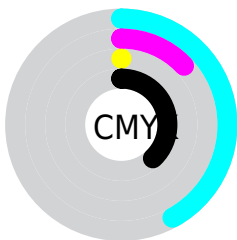
Distribution



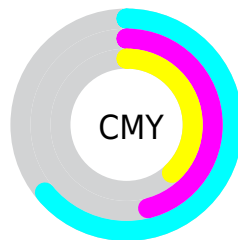
- Red (36%)
- Green (54%)
- Blue (62%)



- Red (36%)
- Yellow (47%)
- Blue (62%)



- Cyan (42%)
- Magenta (13%)
- Yellow (0%)
- Black (38%)



- Cyan (64%)
- Magenta (46%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8607, 23.0073, 36.1950 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 19.8607, 23.0073, 36.1950 by changing the saturation by 10% instead.

■ 19.8607, 23.0073,
36.1950

■ 19.8607, 23.0073,
36.1950

■ 244.0080,
267.7625, 344.8752

■ 12.4015, 14.5989,
24.2940

■ 42.6892, 48.4053,
70.5054

■ 7.0919, 8.5384,
15.3376

■ 58.7893, 66.1637,
93.7518

■ 3.5665, 4.4413,
8.9074

■ 78.5003, 87.8076,
121.6170

■ 1.4599, 1.9234,
4.5849

■ 102.1877,
113.7213, 154.5197

■ 0.2983, 0.5624,
1.9514

■ 130.2168,
144.2892, 192.8783

■ 0.0000, 0.0000,
0.5251

■ 162.9530,

■ 0.0000, 0.0000,

179.8958, 237.1114

0.0000

200.7616,
220.9254, 287.6375

■ 19.8607, 23.0073,
36.1950

■ 19.8607, 23.0073,
36.1950

■ 17.7068, 20.8449,
35.8915

■ 22.3845, 25.4116,
36.5265

■ 15.8992, 18.9100,
35.6133

■ 25.2956, 28.0660,
36.8854

■ 14.4150, 17.1907,
35.3597

■ 28.6128, 30.9812,
37.2732

■ 13.2272, 15.6723,
35.1292

■ 32.3530, 34.1666,
37.6909

■ 12.3041, 14.3378,
34.9203

■ 36.5321, 37.6310,
38.1394

■ 11.6642, 13.3154,
34.7567

■ 41.1652, 41.3829,
38.6194

■ 46.2666, 45.4301,
39.1317

■ 51.8499, 49.7804,
39.6771

■ 57.9283, 54.4411,
40.2564

Harmonies

Analogous

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



18.5452, 23.0073, 30.9950



19.8607, 23.0073, 36.1950



21.7860, 23.0073, 38.3486

Triad

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



19.8607, 23.0073, 36.1950



26.1186, 23.0073, 25.2862



19.9940, 23.0073, 16.2906

Complementary

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



19.8607, 23.0073, 36.1950



22.2917, 20.1964, 13.0800

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.



21.9497, 23.0073, 15.2491



19.8607, 23.0073, 36.1950



25.5651, 23.0073, 19.9202

Square

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



19.8607, 23.0073, 36.1950



25.4744, 23.0073, 31.4653



24.0057, 23.0073, 16.4672



18.6187, 23.0073, 19.5737

Rectangle

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



19.8607, 23.0073, 36.1950



23.1851, 23.0073, 37.5427



24.0057, 23.0073, 16.4672



20.6012, 23.0073, 15.6922

Sweetspot

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



19.8614, 23.0082, 36.1955



50.7894, 55.0917, 66.7003



19.9445, 28.3366, 20.3088



11.2816, 12.2738, 15.0181



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.



19.8614, 23.0082, 36.1955



31.9090, 37.5357, 64.3068



15.8347, 14.9546, 34.8533



6.6437, 7.1532, 8.4372



9.2513, 10.5941, 27.4645



0.2016, 0.2619, 0.5031

Inverse Universe

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



22.8005, 17.0353, 26.1321



38.0941, 25.9999, 42.8973



26.6926, 28.9982, 14.5470



6.8143, 6.7186, 7.8731



13.4678, 6.6917, 11.9805



0.2591, 0.1270, 0.3105

Previews

White Background



This preview shows how the XYZ color 19.8607, 23.0073, 36.1950 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 19.8607, 23.0073, 36.1950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

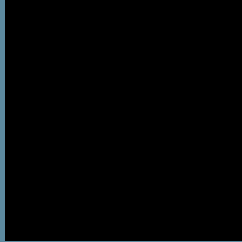
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

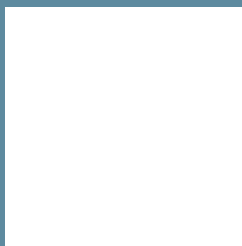
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8607, 23.0073, 36.1950

Background



This preview shows how black text looks on a background with the XYZ color 19.8607, 23.0073, 36.1950.



This preview shows how white text looks on a background with the XYZ color 19.8607, 23.0073,

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

19.8607, 23.0073, 36.1950

Protanopia

22.5678, 22.8104, 33.7852

Deuteranopia

23.3365, 22.9408, 36.9163



Tritanopia

19.1329, 22.9237, 32.6945

Trichromacy



Original Color

19.8607, 23.0073, 36.1950

Protanomaly

21.4585, 22.8202, 34.7262

Deuteranomaly

21.7989, 22.7536, 36.5007

Tritanomaly

19.4790, 23.0736, 33.9989

Monochromacy



Original Color

19.8607, 23.0073, 36.1950

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8467, 21.7415, 27.5766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8607, 23.0073, 36.1950 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(93, 138, 159)` looks like.

```
.text, #text, p{  
    color:rgb(93, 138, 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(93, 138, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 138, 159) }
```

Border

The CSS property to change the border of an element to XYZ 19.8607, 23.0073, 36.1950 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(93, 138, 159) }
```


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

```
.border{ border-color:rgb(93, 138, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 138, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 138, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 138, 159);  
box-shadow:4px 4px 4px 4px rgb(93, 138,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8607, 23.0073, 36.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 138, 159) }
```

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

```
.background{ background-color: rgb(93, 138,  
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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