

Converting Colors

XYZ(19.7348, 19.9552, 36.0693)

Have a look what the booklet for
XYZ(19.7348, 19.9552, 36.0693)
contains.

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Color

**XYZ(19.7348, 19.9552,
36.0693)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7BA0
RGB	109, 123, 160
RGB Percent	43%, 48%, 63%
CMY	0.5725, 0.5176, 0.3725
CMYK	0.32, 0.23, 0.00, 0.37
HSL	224°, 21%, 53%
HSV	224°, 32%, 63%
XYZ	19.7348, 19.9552, 36.0693
YIQ	123.0320, -20.2210, 8.5390

Conversions

Conversions Part 2

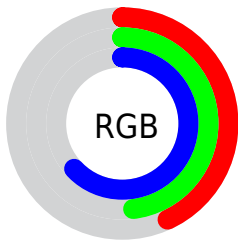
Format	Color
R_{YB}	109, 120, 160
Decimal	7175072
CIE _{Lab}	51.79, 3.89, -21.51
CIE _{LCh}	52, 21.861, 280.254
Yxy	19.9552, 0.2605, 0.2634
Android (android.graphics.Color)	4285365152 (0xFF6D7BA0)
YUV	123.0320, 18.2252, -12.3061
Hunter-Lab	44.6712, 0.6828, -16.6032

Details

The XYZ color **19.7348, 19.9552, 36.0693** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.5368, 29.1358, 18.6411**, and the grayscale version is **18.7844, 19.7626, 21.5215**.

A 20% lighter version of the original color is **42.4960, 43.2476, 70.3978**, and **6.9592, 6.9101, 15.1543** is the 20% darker color. If you saturate the color by 10%, you get **16.5873, 16.3206, 35.5340**, and if you desaturate by 10%, it is **23.4127, 24.1176, 36.6792**.

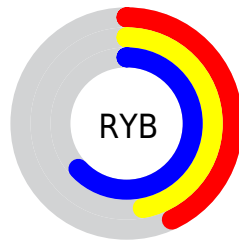
Distribution



Red (43%)

Green (48%)

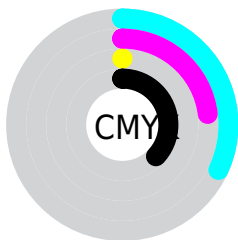
Blue (63%)



Red (43%)

Yellow (47%)

Blue (63%)

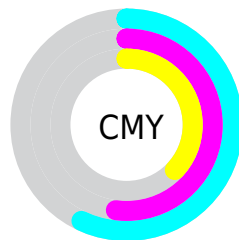


Cyan (32%)

Magenta (23%)

Yellow (0%)

Black (37%)



Cyan (57%)

Magenta (52%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7348, 19.9552, 36.0693 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 19.7348, 19.9552, 36.0693 by changing the saturation by 10% instead.

■ 19.7348, 19.9552,
36.0693

■ 19.7348, 19.9552,
36.0693

243.3368,
251.6725, 344.3099

■ 12.3096, 12.3625,
24.1976

■ 42.4795, 43.3421,
70.3093

■ 7.0286, 6.9910,
15.2667

■ 58.5296, 59.9050,
93.5146

■ 3.5265, 3.4565,
8.8581

■ 78.1854, 80.2268,
121.3349

■ 1.4379, 1.3744,
4.5532

■ 101.8122,
104.6918, 154.1888

■ 0.2830, 0.1978,
1.9335

129.7754,
133.6845, 192.4946

■ 0.0000, 0.0000,
0.5139

162.4403,

■ 0.0000, 0.0000,

167.5893, 236.6711

0.0000

200.1723,
206.7905, 287.1367

■ 19.7348, 19.9552,
36.0693

■ 19.7348, 19.9552,
36.0693

■ 16.5873, 16.3206,
35.5340

■ 23.4127, 24.1176,
36.6792

■ 13.9427, 13.1895,
35.0690

■ 27.6427, 28.8260,
37.3651

■ 11.7743, 10.5392,
34.6717

■ 32.4475, 34.1007,
38.1300

■ 10.0515, 8.3440,
34.3388

■ 37.8481, 39.9601,
38.9763

■ 8.7402, 6.5758,
34.0666

■ 43.8644, 46.4217,
39.9064

■ 7.8006, 5.2025,
33.8511

■ 50.5152, 53.5024,
40.9226

■ 7.2431, 4.3338,
33.7128

■ 57.8188, 61.2184,
42.0270

■ 65.7923, 69.5853,
43.2217

■ 74.4527, 78.6180,
44.5088

Harmonies

Analogous

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



17.5646, 19.9552, 35.3421



19.7348, 19.9552, 36.0693



21.8529, 19.9552, 32.4245

Triad

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



19.7348, 19.9552, 36.0693



22.4049, 19.9552, 14.7632



15.2354, 19.9552, 17.8634

Complementary

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



19.7348, 19.9552, 36.0693



27.5368, 29.1358, 18.6411

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.



16.3467, 19.9552, 13.6878



19.7348, 19.9552, 36.0693



20.4418, 19.9552, 12.1540

Square

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



19.7348, 19.9552, 36.0693



23.4721, 19.9552, 19.6289



18.2190, 19.9552, 11.8029



15.0784, 19.9552, 23.9713

Rectangle

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



19.7348, 19.9552, 36.0693



22.9084, 19.9552, 28.3559



18.2190, 19.9552, 11.8029



15.5054, 19.9552, 16.2225

Sweetspot

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



19.7355, 19.9560, 36.0698



51.5832, 53.8764, 68.0670



24.0313, 30.4546, 31.6232



11.0735, 11.5516, 14.8897



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.



19.7355, 19.9560, 36.0698



31.8121, 31.6059, 64.8104



19.5671, 17.4727, 35.5993



6.4256, 6.7169, 8.3645



5.6749, 3.4414, 26.2724



0.1340, 0.1265, 0.4806

Inverse Universe

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



23.5415, 19.8416, 21.3287



39.8808, 31.6893, 33.4869



27.7169, 32.6310, 19.3062



6.7042, 6.6746, 7.2932



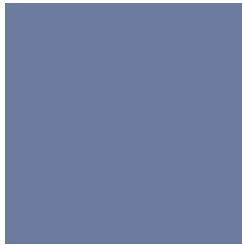
11.6627, 5.9696, 2.4746



0.2249, 0.1133, 0.1306

Previews

White Background



This preview shows how the XYZ color 19.7348, 19.9552, 36.0693 looks on a white background.

Color Contrast Check

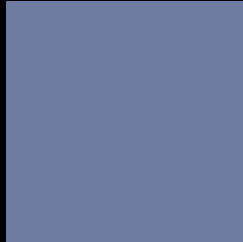
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7348, 19.9552, 36.0693 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

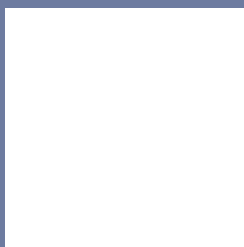
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7348, 19.9552, 36.0693

Background



This preview shows how black text looks on a background with the XYZ color 19.7348, 19.9552, 36.0693.

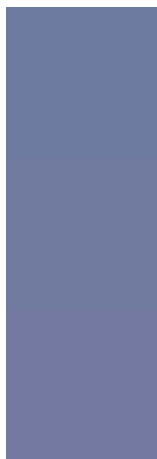


This preview shows how white text looks on a background with the XYZ color 19.7348, 19.9552,

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

19.7348, 19.9552, 36.0693

Protanopia

20.0276, 19.9330, 35.5928

Deuteranopia

20.2528, 19.8576, 36.0232



Tritanopia

17.8136, 19.9279, 26.5745

Trichromacy



Original Color

19.7348, 19.9552, 36.0693

Protanomaly

19.8996, 19.8670, 35.5868

Deuteranomaly

20.1147, 19.9678, 36.0517

Tritanomaly

18.5155, 20.0302, 29.6784

Monochromacy



Original Color

19.7348, 19.9552, 36.0693

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9981, 19.7950, 26.1121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7348, 19.9552, 36.0693 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(109, 123, 160)` looks like.

```
.text, #text, p{  
    color:rgb(109, 123, 160)  
}
```

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(109, 123, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 123, 160) }
```

Border

The CSS property to change the border of an element to XYZ 19.7348, 19.9552, 36.0693 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(109, 123, 160) }
```


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

```
.border{ border-color:rgb(109, 123, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 123, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 123, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 123, 160);  
box-shadow:4px 4px 4px 4px rgb(109, 123,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7348, 19.9552, 36.0693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 123, 160) }
```

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

```
.background{ background-color: rgb(109,  
123, 160) }
```

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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