

Converting Colors

XYZ(19.5800, 20.2785, 34.1352)

Have a look what the booklet for
XYZ(19.5800, 20.2785, 34.1352)
contains.

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Color

**XYZ(19.6410, 20.3187,
34.3392)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7D9C
RGB	109, 125, 156
RGB Percent	43%, 49%, 61%
CMY	0.5725, 0.5098, 0.3882
CMYK	0.30, 0.20, 0.00, 0.39
HSL	220°, 19%, 52%
HSV	220°, 30%, 61%
XYZ	19.6410, 20.3187, 34.3392
YIQ	123.7500, -19.4870, 6.2490

Conversions

Conversions Part 2

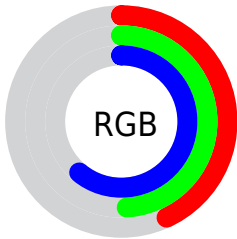
Format	Color
RYB	109, 121, 156
Decimal	7175580
CIELab	52.20, 1.66, -18.56
CIELCh	52, 18.631, 275.106
Yxy	20.3187, 0.2644, 0.2735
Android (android.graphics.Color)	4285365660 (0xFF6D7D9C)
YUV	123.7500, 15.8993, -12.9358
Hunter-Lab	45.0763, -1.1060, -13.6139

Details

The XYZ color **19.6410, 20.3187, 34.3392** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.8490, 26.9284, 18.3039**, and the grayscale version is **19.0290, 20.0199, 21.8017**.

A 20% lighter version of the original color is **42.3803, 43.8288, 67.8541**, and **6.9977, 7.1495, 14.3758** is the 20% darker color. If you saturate the color by 10%, you get **16.6539, 16.9447, 33.8457**, and if you desaturate by 10%, it is **23.1050, 24.1398, 34.8945**.

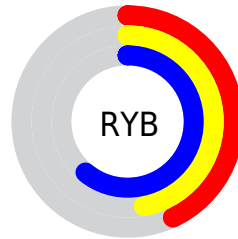
Distribution



Red (43%)

Green (49%)

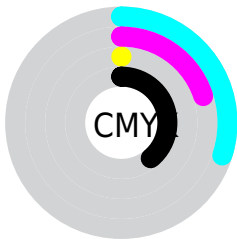
Blue (61%)



Red (43%)

Yellow (47%)

Blue (61%)

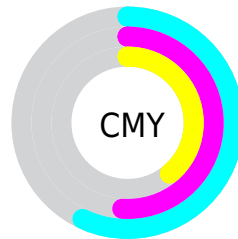


Cyan (30%)

Magenta (20%)

Yellow (0%)

Black (39%)



Cyan (57%)

Magenta (51%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6410, 20.3187, 34.3392 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 19.6410, 20.3187, 34.3392 by changing the saturation by 10% instead.

■ 19.6410, 20.3187,
34.3392

■ 19.6410, 20.3187,
34.3392

242.8357,
253.6352, 336.4571

■ 12.2411, 12.6269,
22.8748

■ 42.3230, 43.9509,
67.6007

■ 6.9815, 7.1722,
14.2967

■ 58.3359, 60.6600,
90.2350

■ 3.4967, 3.5700,
8.1862

■ 77.9504, 81.1438,
117.4296

■ 1.4216, 1.4361,
4.1248

■ 101.5319,
105.7865, 149.6031

■ 0.2715, 0.2431,
1.6941

129.4459,
134.9727, 187.1741

■ 0.0000, 0.0000,
0.3567

162.0576,

■ 0.0000, 0.0000,

169.0866, 230.5610

0.0000

199.7324,
208.5126, 280.1825

■ 19.6410, 20.3187,
34.3392

■ 19.6410, 20.3187,
34.3392

■ 16.6539, 16.9447,
33.8457

■ 23.1050, 24.1398,
34.8945

■ 14.1196, 13.9979,
33.4105

■ 27.0645, 28.4221,
35.5124

■ 12.0148, 11.4604,
33.0317

■ 31.5395, 33.1818,
36.1953

■ 10.3132, 9.3120,
32.7067

■ 36.5483, 38.4337,
36.9450

■ 8.9852, 7.5302,
32.4327

■ 42.1082, 44.1921,
37.7634

■ 7.9968, 6.0900,
32.2069

■ 48.2359, 50.4703,
38.6523

■ 7.2789, 4.9565,
32.0259

■ 54.9471, 57.2814,
39.6132

■ 62.2570, 64.6380,
40.6479

■ 70.1804, 72.5521,
41.7579

Harmonies

Analogous

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



17.8074, 20.3187, 33.1004



19.6410, 20.3187, 34.3392



21.5021, 20.3187, 31.8910

Triad

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



19.6410, 20.3187, 34.3392



22.4750, 20.3187, 16.6098



16.1691, 20.3187, 17.9853

Complementary

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



19.6410, 20.3187, 34.3392



25.8490, 26.9284, 18.3039

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.



17.2765, 20.3187, 14.5869



19.6410, 20.3187, 34.3392



20.8997, 20.3187, 13.8892

Square

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



19.6410, 20.3187, 34.3392



23.2058, 20.3187, 21.2007



18.9873, 20.3187, 13.2146



15.8807, 20.3187, 23.0729

Rectangle

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



19.6410, 20.3187, 34.3392



22.4836, 20.3187, 28.7018



18.9873, 20.3187, 13.2146



16.4542, 20.3187, 16.6362

Sweetspot

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



19.6417, 20.3195, 34.3397



49.8870, 52.4049, 64.6126



22.8961, 28.9088, 29.0110



10.7472, 11.2848, 14.1821



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.6417, 20.3195, 34.3397



32.0063, 32.7801, 61.7670



18.6790, 17.0546, 33.7602



6.4601, 6.7860, 8.3760



6.0251, 4.1417, 26.3891



0.1449, 0.1484, 0.4842

Inverse Universe

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



22.8811, 19.4864, 21.9581



38.9229, 31.3375, 35.2558



27.0345, 31.2663, 19.0787



6.7216, 6.6816, 7.3851



11.8394, 6.0403, 3.4052



0.2305, 0.1155, 0.1597

Previews

White Background



This preview shows how the XYZ color 19.6410, 20.3187, 34.3392 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 19.6410, 20.3187, 34.3392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

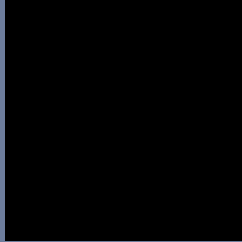
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

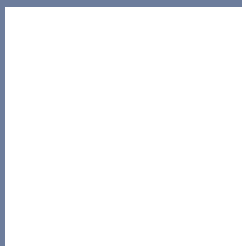
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6410, 20.3187, 34.3392

Background



This preview shows how black text looks on a background with the XYZ color 19.6410, 20.3187, 34.3392.

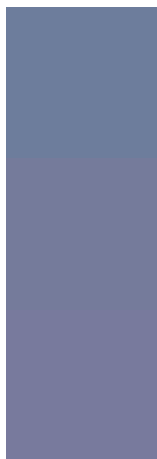


This preview shows how white text looks on a background with the XYZ color 19.6410, 20.3187,

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

19.6410, 20.3187, 34.3392

Protanopia

20.3355, 20.3144, 33.8596

Deuteranopia

20.7911, 20.3465, 34.7297



Tritanopia

18.1323, 20.2766, 27.0029

Trichromacy



Original Color

19.6410, 20.3187, 34.3392

Protanomaly

20.0635, 20.3593, 33.8826

Deuteranomaly

20.3712, 20.3132, 34.7455

Tritanomaly

18.6441, 20.2872, 29.7212

Monochromacy



Original Color

19.6410, 20.3187, 34.3392

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2593, 20.1148, 26.1600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6410, 20.3187, 34.3392 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, 125, 156)` looks like.

```
.text, #text, p{  
    color:rgb(109, 125, 156)  
}
```

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, 125, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 125, 156) }
```

Border

The CSS property to change the border of an element to XYZ 19.6410, 20.3187, 34.3392 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, 125, 156) }
```


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

```
.border{ border-color:rgb(109, 125, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 125, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 125, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 125, 156);  
box-shadow:4px 4px 4px 4px rgb(109, 125,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6410, 20.3187, 34.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 125, 156) }
```

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

```
.background{ background-color: rgb(109,  
125, 156) }
```

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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