

Converting Colors

XYZ(19.6652, 20.4496, 37.5610)

Have a look what the booklet for
XYZ(19.6652, 20.4496, 37.5610)
contains.

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Color

**XYZ(19.6652, 20.4496,
37.5610)**

Conversions

Conversions Part 1

Format	Color
Hex	677EA3
RGB	103, 126, 163
RGB Percent	40%, 49%, 64%
CMY	0.5961, 0.5059, 0.3608
CMYK	0.37, 0.23, 0.00, 0.36
HSL	217°, 25%, 52%
HSV	217°, 37%, 64%
XYZ	19.6652, 20.4496, 37.5610
YIQ	123.3410, -25.5850, 6.6310

Conversions

Conversions Part 2

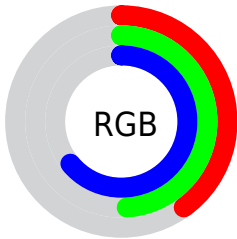
Format	Color
RYB	103, 120, 163
Decimal	6782627
CIELab	52.34, 1.15, -22.44
CIELCh	52, 22.466, 272.933
Yxy	20.4496, 0.2532, 0.2633
Android (android.graphics.Color)	4284972707 (0xFF677EA3)
YUV	123.3410, 19.5519, -17.8391
Hunter-Lab	45.2212, -1.5135, -17.5917

Details

The XYZ color **19.6652, 20.4496, 37.5610** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.9309, 27.5223, 16.7255**, and the grayscale version is **18.8833, 19.8667, 21.6349**.

A 20% lighter version of the original color is **42.4853, 44.3701, 72.6547**, and **6.9913, 7.2123, 16.0626** is the 20% darker color. If you saturate the color by 10%, you get **16.7534, 17.1358, 37.0752**, and if you desaturate by 10%, it is **23.0720, 24.2113, 38.1079**.

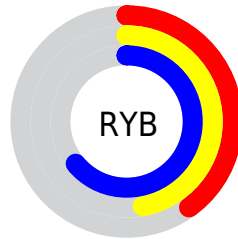
Distribution



Red (40%)

Green (49%)

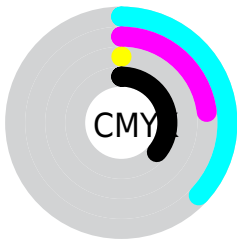
Blue (64%)



Red (40%)

Yellow (47%)

Blue (64%)

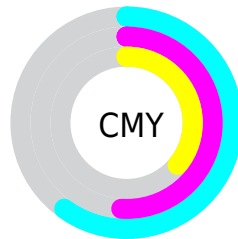


Cyan (37%)

Magenta (23%)

Yellow (0%)

Black (36%)



Cyan (60%)

Magenta (51%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6652, 20.4496, 37.5610 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 19.6652, 20.4496, 37.5610 by changing the saturation by 10% instead.

■ 19.6652, 20.4496,
37.5610

■ 19.6652, 20.4496,
37.5610

242.9651,
254.3388, 350.9746

■ 12.2588, 12.7223,
25.3430

■ 42.3634, 44.1697,
72.6307

■ 6.9936, 7.2376,
16.1114

■ 58.3858, 60.9313,
96.3195

■ 3.5044, 3.6111,
9.4478

■ 78.0110, 81.4730,
124.6689

■ 1.4258, 1.4585,
4.9336

■ 101.6043,
106.1794, 158.0975

■ 0.2745, 0.2592,
2.1503

129.5309,
135.4348, 197.0238

■ 0.0000, 0.0000,
0.6455

162.1564,

■ 0.0000, 0.0000,

169.6235, 241.8664

0.0000

199.8460,
209.1301, 293.0438

■ 19.6652, 20.4496,
37.5610

■ 19.6652, 20.4496,
37.5610

■ 16.7534, 17.1358,
37.0752

■ 23.0720, 24.2113,
38.1079

■ 14.3095, 14.2488,
36.6468

■ 26.9950, 28.4357,
38.7165

■ 12.3067, 11.7694,
36.2738

■ 31.4564, 33.1400,
39.3894

■ 10.7145, 9.6758,
35.9536

■ 36.4767, 38.3398,
40.1285

■ 9.4978, 7.9431,
35.6832

■ 42.0751, 44.0497,
40.9355

■ 8.6064, 6.5386,
35.4591

■ 48.2700, 50.2838,
41.8123

■ 8.3601, 6.1426,
35.3957

■ 55.0788, 57.0558,
42.7606

■ 62.5182, 64.3785,
43.7819

■ 70.6044, 72.2646,
44.8779

Harmonies

Analogous

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



17.4826, 20.4496, 35.6417



19.6652, 20.4496, 37.5610



21.9560, 20.4496, 34.7572

Triad

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



19.6652, 20.4496, 37.5610



23.4131, 20.4496, 16.0350



15.7396, 20.4496, 16.9592

Complementary

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



19.6652, 20.4496, 37.5610



26.9309, 27.5223, 16.7255

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.



17.1179, 20.4496, 13.1961



19.6652, 20.4496, 37.5610



21.5313, 20.4496, 12.7416

Square

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



19.6652, 20.4496, 37.5610



24.2248, 20.4496, 21.6207



19.2100, 20.4496, 11.8151



15.3252, 20.4496, 22.9243

Rectangle

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



19.6652, 20.4496, 37.5610



23.2055, 20.4496, 30.8586



19.2100, 20.4496, 11.8151



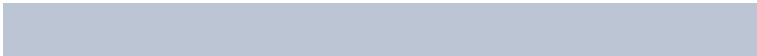
16.0999, 20.4496, 15.4380

Sweetspot

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



19.6659, 20.4504, 37.5615



52.7024, 55.5399, 69.9987



23.3514, 30.9425, 29.1684



11.6072, 12.2320, 15.6868



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.6659, 20.4504, 37.5615



30.9746, 31.8091, 66.5634



17.7684, 15.5967, 36.7246



6.9127, 7.2843, 8.9448



6.5385, 4.8563, 27.5225



0.1822, 0.1917, 0.5933

Inverse Universe

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



23.7209, 18.9940, 22.1554



39.4422, 29.3663, 34.2588



29.4504, 34.3421, 17.9091



7.1809, 7.1288, 7.9390



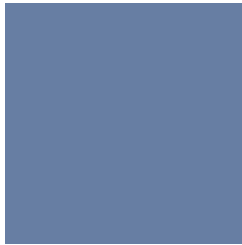
12.4458, 6.3344, 4.2721



0.2841, 0.1422, 0.2090

Previews

White Background



This preview shows how the XYZ color 19.6652, 20.4496, 37.5610 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 19.6652, 20.4496, 37.5610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

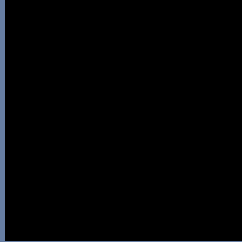
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

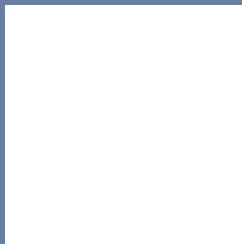
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6652, 20.4496, 37.5610

Background



This preview shows how black text looks on a background with the XYZ color 19.6652, 20.4496, 37.5610.



This preview shows how white text looks on a background with the XYZ color 19.6652, 20.4496,

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

19.6652, 20.4496, 37.5610

Protanopia

20.5862, 20.3840, 36.5677

Deuteranopia

20.8540, 20.4911, 37.9780



Tritanopia

17.7533, 20.4554, 27.8235

Trichromacy



Original Color

19.6652, 20.4496, 37.5610

Protanomaly

20.2848, 20.4034, 37.0516

Deuteranomaly

20.4640, 20.4751, 37.9955

Tritanomaly

18.4511, 20.5480, 31.0106

Monochromacy



Original Color

19.6652, 20.4496, 37.5610

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.9976, 19.9633, 26.8968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6652, 20.4496, 37.5610 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(103, 126, 163)` looks like.

```
.text, #text, p{  
    color:rgb(103, 126, 163)  
}
```

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(103, 126, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 126, 163) }
```

Border

The CSS property to change the border of an element to XYZ 19.6652, 20.4496, 37.5610 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(103, 126, 163) }
```


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

```
.border{ border-color:rgb(103, 126, 163) }
```

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

Here you see how a box with a 4 pixel rgb(103, 126, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 126, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 126, 163);  
box-shadow:4px 4px 4px 4px rgb(103, 126,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6652, 20.4496, 37.5610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 126, 163) }
```

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

```
.background{ background-color: rgb(103,  
126, 163) }
```

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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