

Converting Colors

XYZ(16.6625, 21.1025, 23.9251)

Have a look what the booklet for
XYZ(16.6625, 21.1025, 23.9251)
contains.

XYZ(16.6971, 21.2195, 23.9846)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.6971, 21.2195,
23.9846)**

Conversions

Conversions Part 1

Format	Color
Hex	578881
RGB	87, 136, 129
RGB Percent	34%, 53%, 51%
CMY	0.6588, 0.4667, 0.4941
CMYK	0.36, 0.00, 0.05, 0.47
HSL	171°, 22%, 44%
HSV	171°, 36%, 53%
XYZ	16.6971, 21.2195, 23.9846
YIQ	120.5510, -26.9570, -12.5650

Conversions

Conversions Part 2

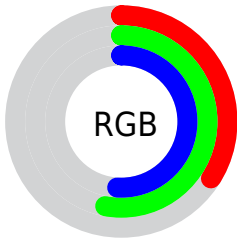
Format	Color
RYB	87, 113, 136
Decimal	5736577
CIELab	53.19, -18.20, -1.50
CIELCh	53, 18.260, 184.699
Yxy	21.2195, 0.2697, 0.3428
Android (android.graphics.Color)	4283926657 (0xFF578881)
YUV	120.5510, 4.1654, -29.4242
Hunter-Lab	46.0646, -15.9120, 1.3745

Details

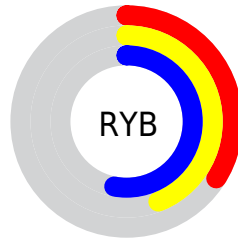
The XYZ color **16.6971, 21.2195, 23.9846** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.5827, 12.8594, 12.2514**, and the grayscale version is **18.0230, 18.9616, 20.6492**.

A 20% lighter version of the original color is **37.2886, 45.2616, 51.0270**, and **5.5387, 7.6281, 8.7699** is the 20% darker color. If you saturate the color by 10%, you get **15.4172, 20.5750, 23.2572**, and if you desaturate by 10%, it is **18.2199, 21.9900, 24.7371**.

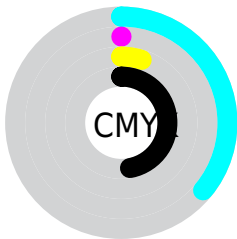
Distribution



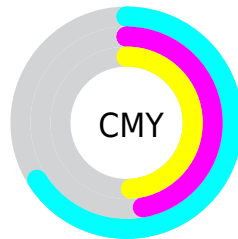
- Red (34%)
- Green (53%)
- Blue (51%)



- Red (34%)
- Yellow (44%)
- Blue (53%)



- Cyan (36%)
- Magenta (0%)
- Yellow (5%)
- Black (47%)



- Cyan (66%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6971, 21.2195, 23.9846 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 16.6971, 21.2195, 23.9846 by changing the saturation by 10% instead.

■ 16.6971, 21.2195,
23.9846

■ 16.6971, 21.2195,
23.9846

226.6112,
258.4427, 286.0267

■ 10.1127, 13.2845,
15.1101

■ 37.3520, 45.4526,
50.9486

■ 5.5366, 7.6248,
8.7492

■ 52.1532, 62.5194,
69.8752

■ 2.6034, 3.8558,
4.4834

■ 70.4242, 83.3991,
92.9895

■ 0.9477, 1.5932,
1.8941

■ 92.5301, 108.4759,
120.7101

■ 0.0000, 0.3530,
0.4890

■ 118.8364,
138.1343, 153.4556

■ 0.0000, 0.0000,
0.0000

149.7085,

172.7586, 191.6445

185.5116,
212.7333, 235.6954

■ 16.6971, 21.2195,
23.9846

■ 16.6971, 21.2195,
23.9846

■ 15.4172, 20.5750,
23.2572

■ 18.2199, 21.9900,
24.7371

■ 14.3650, 20.0471,
22.5527

■ 19.9962, 22.8904,
25.5140

■ 13.5262, 19.6289,
21.8709

■ 22.0383, 23.9274,
26.3162

■ 12.8842, 19.3119,
21.2110

■ 24.3569, 25.1068,
27.1444

■ 12.4200, 19.0862,
20.5719

■ 26.9623, 26.4337,
27.9991

■ 12.1031, 18.9362,
19.9522

■ 29.8643, 27.9133,
28.8809

■ 11.9901, 18.8832,
19.7101

■ 33.0721, 29.5501,
29.7902

■ 36.5946, 31.3489,
30.7276

■ 40.4402, 33.3140,
31.6935

Harmonies

Analogous

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



17.0013, 21.2195, 18.8604



16.6971, 21.2195, 23.9846



17.2735, 21.2195, 29.6857

Triad

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



16.6971, 21.2195, 23.9846



22.3518, 21.2195, 32.9709



21.7935, 21.2195, 14.7787

Complementary

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



16.6971, 21.2195, 23.9846



15.5827, 12.8594, 12.2514

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.



23.3701, 21.2195, 17.5757



16.6971, 21.2195, 23.9846



23.7065, 21.2195, 27.9417

Square

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



16.6971, 21.2195, 23.9846



20.4735, 21.2195, 35.3735



24.0905, 21.2195, 22.2461



19.8665, 21.2195, 14.0616

Rectangle

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



16.6971, 21.2195, 23.9846



18.1026, 21.2195, 32.8900



24.0905, 21.2195, 22.2461



22.3859, 21.2195, 15.4822

Sweetspot

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



16.6977, 21.2204, 23.9851



36.9021, 41.1828, 45.6330



15.1772, 20.6955, 12.2120



8.4509, 9.4891, 10.5304



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.6977, 21.2204, 23.9851



27.6076, 36.4787, 41.2499



14.9541, 16.9625, 25.7794



5.1426, 5.6765, 6.2721



11.3504, 17.8728, 18.6679



0.0793, 0.1203, 0.1446

Inverse Universe

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



15.5827, 12.8594, 12.2514



25.3532, 19.5446, 17.5046



16.8398, 15.8539, 11.1899



5.0601, 5.0595, 5.4050



9.7269, 5.0009, 1.0663



0.0678, 0.0345, 0.0240

Previews

White Background



This preview shows how the XYZ color 16.6971, 21.2195, 23.9846 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 16.6971, 21.2195, 23.9846 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 16.6971, 21.2195, 23.9846

Background



This preview shows how black text looks on a background with the XYZ color 16.6971, 21.2195, 23.9846.



This preview shows how white text looks on a background with the XYZ color 16.6971, 21.2195,

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

16.6971, 21.2195, 23.9846

Protanopia

20.0893, 21.0189, 21.7371

Deuteranopia

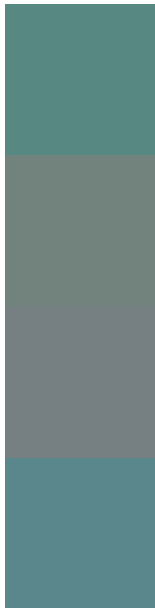
21.4012, 21.0661, 24.7680



Tritanopia

17.8735, 21.2880, 29.5525

Trichromacy



Original Color

16.6971, 21.2195, 23.9846

Protanomaly

18.6237, 21.0233, 22.4784

Deuteranomaly

19.2871, 20.9286, 24.4958

Tritanomaly

17.5406, 21.3657, 27.6256

Monochromacy



Original Color

16.6971, 21.2195, 23.9846

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4056, 19.6282, 21.9400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6971, 21.2195, 23.9846 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(87, 136, 129) looks like.

```
.text, #text, p{  
    color:rgb(87, 136, 129)  
}
```

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(87, 136, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 136, 129) }
```

Border

The CSS property to change the border of an element to XYZ 16.6971, 21.2195, 23.9846 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(87, 136, 129) }
```


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

```
.border{ border-color:rgb(87, 136, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 136, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 136, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 136, 129);  
box-shadow:4px 4px 4px 4px rgb(87, 136,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6971, 21.2195, 23.9846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 136, 129) }
```

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

```
.background{ background-color: rgb(87, 136,  
129) }
```

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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