

Converting Colors

XYZ(16.1245, 20.0254, 21.6780)

Have a look what the booklet for
XYZ(16.1245, 20.0254, 21.6780)
contains.

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Color

**XYZ(16.1051, 19.9380,
21.7385)**

Conversions

Conversions Part 1

Format	Color
Hex	5C837B
RGB	92, 131, 123
RGB Percent	36%, 51%, 48%
CMY	0.6392, 0.4863, 0.5176
CMYK	0.30, 0.00, 0.06, 0.49
HSL	168°, 17%, 44%
HSV	168°, 30%, 51%
XYZ	16.1051, 19.9380, 21.7385
YIQ	118.4270, -20.6760, -10.7560

Conversions

Conversions Part 2

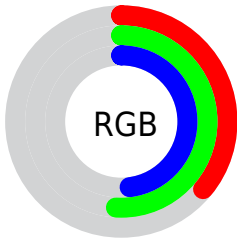
Format	Color
R_{YB}	92, 114, 131
Decimal	6062971
CIE _{Lab}	51.77, -15.42, -0.05
CIE _{LCh}	52, 15.419, 180.196
Yxy	19.9380, 0.2787, 0.3451
Android (android.graphics.Color)	4284253051 (0xFF5C837B)
YUV	118.4270, 2.2545, -23.1765
Hunter-Lab	44.6520, -13.7595, 2.3915

Details

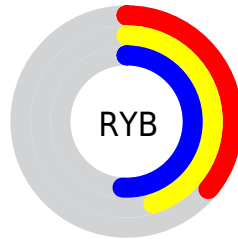
The XYZ color **16.1051, 19.9380, 21.7385** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.4882, 13.4002, 13.8276**, and the grayscale version is **17.3521, 18.2558, 19.8805**.

A 20% lighter version of the original color is **36.2060, 43.2158, 46.9907**, and **5.2172, 6.9147, 7.5383** is the 20% darker color. If you saturate the color by 10%, you get **14.7421, 19.2551, 20.8088**, and if you desaturate by 10%, it is **17.7002, 20.7411, 22.7041**.

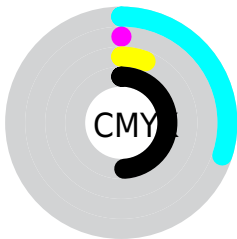
Distribution



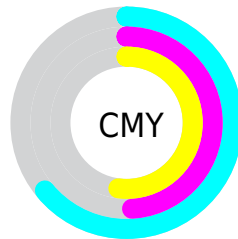
- Red (36%)
- Green (51%)
- Blue (48%)



- Red (36%)
- Yellow (45%)
- Blue (51%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (49%)



- Cyan (64%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1051, 19.9380, 21.7385 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 16.1051, 19.9380, 21.7385 by changing the saturation by 10% instead.

■ 16.1051, 19.9380,
21.7385

■ 16.1051, 19.9380,
21.7385

223.2193,
251.5793, 274.0864

■ 9.6899, 12.3500,
13.4684

■ 36.3365, 43.3132,
47.2100

■ 5.2545, 6.9825,
7.6174

■ 50.8835, 59.8692,
65.2486

■ 2.4336, 3.4512,
3.7669

■ 68.8717, 80.1833,
87.3803

■ 0.8619, 1.3716,
1.4983

■ 90.6665, 104.6399,
114.0239

■ 0.0000, 0.1956,
0.2167

116.6333,
133.6234, 145.5977

■ 0.0000, 0.0000,
0.0000

147.1375,

167.5182, 182.5204

182.5444,
206.7087, 225.2104

■ 16.1051, 19.9380,
21.7385

■ 16.1051, 19.9380,
21.7385

■ 14.7421, 19.2551,
20.8088

■ 17.7002, 20.7411,
22.7041

■ 13.5979, 18.6838,
19.9128

■ 19.5365, 21.6675,
23.7048

■ 12.6601, 18.2185,
19.0502

■ 21.6247, 22.7232,
24.7418

■ 11.9149, 17.8519,
18.2202

■ 23.9745, 23.9133,
25.8158

■ 11.3463, 17.5759,
17.4217

■ 26.5949, 25.2422,
26.9272

■ 10.9359, 17.3809,
16.6539

■ 29.4944, 26.7146,
28.0768

■ 10.6286, 17.2386,
15.9138

■ 32.6815, 28.3345,
29.2651

■ 10.6217, 17.2354,
15.8971

■ 36.1638, 30.1062,
30.4925

■ 39.9491, 32.0335,
31.7597

Harmonies

Analogous

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



16.4639, 19.9380, 17.7113



16.1051, 19.9380, 21.7385



16.4732, 19.9380, 26.3251

Triad

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



16.1051, 19.9380, 21.7385



20.5003, 19.9380, 30.0171



20.4816, 19.9380, 15.0726

Complementary

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



16.1051, 19.9380, 21.7385



15.4882, 13.4002, 13.8276

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.



21.6644, 19.9380, 17.6669



16.1051, 19.9380, 21.7385



21.6756, 19.9380, 26.2673

Square

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



16.1051, 19.9380, 21.7385



18.9607, 19.9380, 31.4878



22.1127, 19.9380, 21.6797



18.9402, 19.9380, 14.1988

Rectangle

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



16.1051, 19.9380, 21.7385



17.0935, 19.9380, 29.0039



22.1127, 19.9380, 21.6797



20.9373, 19.9380, 15.7531

Sweetspot

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



16.1057, 19.9388, 21.7390



35.1827, 38.9005, 42.5513



15.3541, 19.7412, 13.1268



8.0872, 9.0043, 9.8527



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.1057, 19.9388, 21.7390



27.0751, 34.8188, 37.7459



15.2215, 17.3357, 24.0176



4.7618, 5.2629, 5.7568



10.4560, 16.9653, 15.6526



0.0388, 0.0598, 0.0677

Inverse Universe

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



15.4882, 13.4002, 13.8276



25.7779, 21.0561, 21.1059



16.1477, 15.3091, 12.2294



4.7088, 4.7032, 5.0788



9.4078, 4.8274, 1.4537



0.0348, 0.0176, 0.0166

Previews

White Background



This preview shows how the XYZ color 16.1051, 19.9380, 21.7385 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 16.1051, 19.9380, 21.7385 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 16.1051, 19.9380, 21.7385

Background



This preview shows how black text looks on a background with the XYZ color 16.1051, 19.9380, 21.7385.

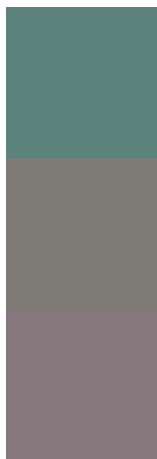


This preview shows how white text looks on a background with the XYZ color 16.1051, 19.9380,

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

16.1051, 19.9380, 21.7385

Protanopia

18.8337, 19.6627, 19.9422

Deuteranopia

20.1300, 19.7427, 22.1518



Tritanopia

17.3343, 20.0514, 27.3828

Trichromacy



Original Color

16.1051, 19.9380, 21.7385

Protanomaly

17.6632, 19.6007, 20.6217

Deuteranomaly

18.3288, 19.5431, 21.8749

Tritanomaly

16.9356, 20.0916, 25.1758

Monochromacy



Original Color

16.1051, 19.9380, 21.7385

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7798, 18.7732, 20.5085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1051, 19.9380, 21.7385 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(92, 131, 123)` looks like.

```
.text, #text, p{  
    color:rgb(92, 131, 123)  
}
```

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(92, 131, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 131, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.1051, 19.9380, 21.7385 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(92, 131, 123) }
```


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

```
.border{ border-color:rgb(92, 131, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 131, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 131, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 131, 123);  
box-shadow:4px 4px 4px 4px rgb(92, 131,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1051, 19.9380, 21.7385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 131, 123) }
```

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

```
.background{ background-color: rgb(92, 131,  
123) }
```

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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