

Converting Colors

XYZ(16.2032, 20.5152, 21.7226)

Have a look what the booklet for
XYZ(16.2032, 20.5152, 21.7226)
contains.

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Color

**XYZ(16.3167, 20.6539,
21.8655)**

Conversions

Conversions Part 1

Format	Color
Hex	5A867B
RGB	90, 134, 123
RGB Percent	35%, 53%, 48%
CMY	0.6471, 0.4745, 0.5176
CMYK	0.33, 0.00, 0.08, 0.47
HSL	165°, 20%, 44%
HSV	165°, 33%, 53%
XYZ	16.3167, 20.6539, 21.8655
YIQ	119.5900, -22.6930, -12.7490

Conversions

Conversions Part 2

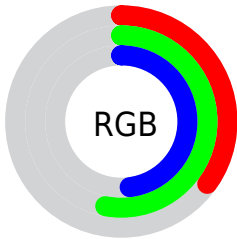
Format	Color
R_{YB}	90, 115, 134
Decimal	5932667
CIE _{Lab}	52.57, -17.67, 1.10
CIE _{LCh}	53, 17.702, 176.431
Yxy	20.6539, 0.2773, 0.3510
Android (android.graphics.Color)	4284122747 (0xFF5A867B)
YUV	119.5900, 1.6811, -25.9504
Hunter-Lab	45.4466, -15.4445, 3.2867

Details

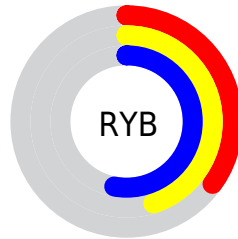
The XYZ color **16.3167, 20.6539, 21.8655** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.8374, 13.3208, 14.0492**, and the grayscale version is **17.7223, 18.6452, 20.3046**.

A 20% lighter version of the original color is **36.6635, 44.3866, 47.1925**, and **5.3208, 7.3065, 7.6084** is the 20% darker color. If you saturate the color by 10%, you get **14.9229, 19.9598, 20.7244**, and if you desaturate by 10%, it is **17.9538, 21.4738, 23.0564**.

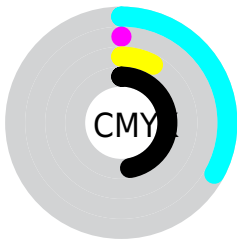
Distribution



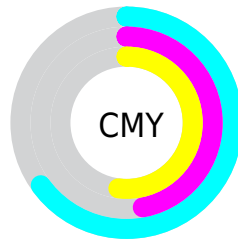
- Red (35%)
- Green (53%)
- Blue (48%)



- Red (35%)
- Yellow (45%)
- Blue (53%)



- Cyan (33%)
- Magenta (0%)
- Yellow (8%)
- Black (47%)



- Cyan (65%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3167, 20.6539, 21.8655 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 16.3167, 20.6539, 21.8655 by changing the saturation by 10% instead.

■ 16.3167, 20.6539,
21.8655

■ 16.3167, 20.6539,
21.8655

224.4372,
255.4334, 274.7736

■ 9.8408, 12.8713,
13.5607

■ 36.7002, 44.5108,
47.4229

■ 5.3550, 7.3399,
7.6805

■ 51.3384, 61.3539,
65.5127

■ 2.4939, 3.6756,
3.8064

■ 69.4282, 81.9858,
87.7012

■ 0.8922, 1.4938,
1.5197

■ 91.3349, 106.7911,
114.4069

■ 0.0000, 0.2844,
0.2326

117.4237,
136.1541, 146.0485

■ 0.0000, 0.0000,
0.0000

148.0602,

170.4593, 183.0445

183.6095,
210.0909, 225.8133

■ 16.3167, 20.6539,
21.8655

■ 16.3167, 20.6539,
21.8655

■ 14.9229, 19.9598,
20.7244

■ 17.9538, 21.4738,
23.0564

■ 13.7581, 19.3823,
19.6307

■ 19.8443, 22.4228,
24.2965

■ 12.8088, 18.9151,
18.5838

■ 21.9997, 23.5077,
25.5872

■ 12.0598, 18.5503,
17.5826

■ 24.4304, 24.7335,
26.9294

■ 11.4933, 18.2789,
16.6260

■ 27.1461, 26.1055,
28.3238

■ 11.0887, 18.0901,
15.7125

■ 30.1561, 27.6283,
29.7713

■ 10.8499, 17.9807,
15.0821

■ 33.4693, 29.3065,
31.2725

■ 37.0941, 31.1445,
32.8283

■ 41.0387, 33.1464,
34.4392

Harmonies

Analogous

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



16.8361, 20.6539, 17.3525



16.3167, 20.6539, 21.8655



16.6387, 20.6539, 27.2914

Triad

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



16.3167, 20.6539, 21.8655



21.2432, 20.6539, 32.8018



21.6466, 20.6539, 15.0779

Complementary

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



16.3167, 20.6539, 21.8655



15.8374, 13.3208, 14.0492

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.



22.9620, 20.6539, 18.2851



16.3167, 20.6539, 21.8655



22.7190, 20.6539, 28.5497

Square

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



16.3167, 20.6539, 21.8655



19.4121, 20.6539, 34.1527



23.3660, 20.6539, 23.1234



19.8513, 20.6539, 13.8379

Rectangle

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



16.3167, 20.6539, 21.8655



17.2988, 20.6539, 30.6306



23.3660, 20.6539, 23.1234



22.1638, 20.6539, 15.9347

Sweetspot

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



16.3173, 20.6547, 21.8660



35.9098, 39.9817, 43.3924



15.8205, 20.5985, 12.8153



7.9921, 8.9582, 9.7157



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.



16.3173, 20.6547, 21.8660



26.9799, 35.5081, 37.1029



15.6944, 18.2442, 25.2495



4.7532, 5.2595, 5.7115



10.1719, 16.8516, 14.1567



0.0382, 0.0595, 0.0644

Inverse Universe

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



15.8374, 13.3208, 14.0492



26.0083, 20.6136, 21.2429



16.2604, 14.9727, 11.7063



4.7168, 4.7064, 5.1211



9.4814, 4.8569, 1.8413



0.0354, 0.0179, 0.0199

Previews

White Background



This preview shows how the XYZ color 16.3167, 20.6539, 21.8655 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 16.3167, 20.6539, 21.8655 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 16.3167, 20.6539, 21.8655

Background



This preview shows how black text looks on a background with the XYZ color 16.3167, 20.6539, 21.8655.

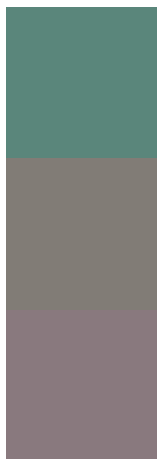


This preview shows how white text looks on a background with the XYZ color 16.3167, 20.6539,

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

16.3167, 20.6539, 21.8655

Protanopia

19.5309, 20.3904, 20.0459

Deuteranopia

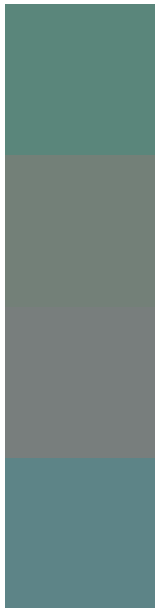
20.9198, 20.4995, 22.5929



Tritanopia

17.6149, 20.5653, 28.6323

Trichromacy



Original Color

16.3167, 20.6539, 21.8655

Protanomaly

18.1796, 20.4392, 20.7563

Deuteranomaly

18.9083, 20.3954, 22.3422

Tritanomaly

17.1386, 20.5790, 25.9905

Monochromacy



Original Color

16.3167, 20.6539, 21.8655

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.0915, 19.2989, 20.9134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3167, 20.6539, 21.8655 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(90, 134, 123)` looks like.

```
.text, #text, p{  
    color:rgb(90, 134, 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(90, 134, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 134, 123) }
```

Border

The CSS property to change the border of an element to XYZ 16.3167, 20.6539, 21.8655 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(90, 134, 123) }
```


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

```
.border{ border-color:rgb(90, 134, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 134, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 134, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 134, 123);  
box-shadow:4px 4px 4px 4px rgb(90, 134,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3167, 20.6539, 21.8655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 134, 123) }
```

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

```
.background{ background-color: rgb(90, 134,  
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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