

Converting Colors

XYZ(16.7310, 21.4985, 26.8734)

Have a look what the booklet for
XYZ(16.7310, 21.4985, 26.8734)
contains.

XYZ(16.8283, 21.6454, 26.9579)	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(16.8283, 21.6454,
26.9579)**

Conversions

Conversions Part 1

Format	Color
Hex	4F8A89
RGB	79, 138, 137
RGB Percent	31%, 54%, 54%
CMY	0.6902, 0.4588, 0.4627
CMYK	0.43, 0.00, 0.01, 0.46
HSL	179°, 27%, 43%
HSV	179°, 43%, 54%
XYZ	16.8283, 21.6454, 26.9579
YIQ	120.2450, -34.8430, -12.8190

Conversions

Conversions Part 2

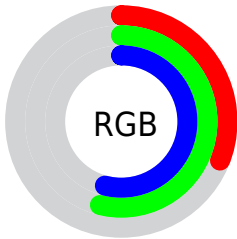
Format	Color
R_{YB}	79, 109, 138
Decimal	5212809
CIE _{Lab}	53.65, -19.45, -5.50
CIE _{LCh}	54, 20.212, 195.794
Yxy	21.6454, 0.2572, 0.3308
Android (android.graphics.Color)	4283402889 (0xFF4F8A89)
YUV	120.2450, 8.2602, -36.1719
Hunter-Lab	46.5246, -16.8533, -1.7874

Details

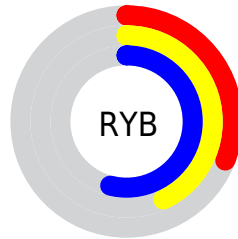
The XYZ color **16.8283, 21.6454, 26.9579** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.7260, 11.5751, 9.0483**, and the grayscale version is **17.9139, 18.8469, 20.5242**.

A 20% lighter version of the original color is **37.6596, 46.3225, 55.6715**, and **5.6109, 7.8742, 10.2410** is the 20% darker color. If you saturate the color by 10%, you get **15.7809, 21.1079, 26.8217**, and if you desaturate by 10%, it is **18.1154, 22.3075, 27.1065**.

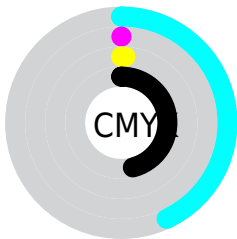
Distribution



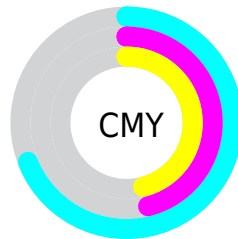
- Red (31%)
- Green (54%)
- Blue (54%)



- Red (31%)
- Yellow (43%)
- Blue (54%)



- Cyan (43%)
- Magenta (0%)
- Yellow (1%)
- Black (46%)



- Cyan (69%)
- Magenta (46%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8283, 21.6454, 26.9579 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 16.8283, 21.6454, 26.9579 by changing the saturation by 10% instead.

■ 16.8283, 21.6454,
26.9579

■ 16.8283, 21.6454,
26.9579

227.3566,
260.6888, 301.2069

■ 10.2067, 13.5966,
17.3094

■ 37.5763, 46.1592,
55.8192

■ 5.5995, 7.8406,
10.2911

■ 52.4334, 63.3930,
75.8692

■ 2.6415, 3.9931,
5.4843

■ 70.7663, 84.4572,
100.2234

■ 0.9671, 1.6697,
2.4704

■ 92.9405, 109.7363,
129.3003

■ 0.0000, 0.4039,
0.8244

■ 119.3212,
139.6146, 163.5187

■ 0.0000, 0.0000,
0.0000

150.2739,

174.4765, 203.2968

186.1639,
214.7065, 249.0534

■ 16.8283, 21.6454,
26.9579

■ 16.8283, 21.6454,
26.9579

■ 15.7809, 21.1079,
26.8217

■ 18.1154, 22.3075,
27.1065

■ 14.9563, 20.6847,
26.6956

■ 19.6538, 23.0986,
27.2665

■ 14.3387, 20.3683,
26.5795

■ 21.4567, 24.0261,
27.4391

■ 13.9093, 20.1489,
26.4723

■ 23.5358, 25.0960,
27.6248

■ 13.6459, 20.0150,
26.3731

■ 25.9022, 26.3139,
27.8242

■ 13.5086, 19.9456,
26.3038

■ 28.5663, 27.6854,
28.0376

■ 31.5380, 29.2154,
28.2657

■ 34.8268, 30.9088,
28.5088

■ 38.4415, 32.7703,
28.7673

Harmonies

Analogous

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



16.8022, 21.6454, 20.7666



16.8283, 21.6454, 26.9579



17.8099, 21.6454, 33.1696

Triad

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



16.8283, 21.6454, 26.9579



23.6981, 21.6454, 32.8775



21.6100, 21.6454, 13.8116

Complementary

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



16.8283, 21.6454, 26.9579



14.7260, 11.5751, 9.0483

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.



23.6087, 21.6454, 16.0253



16.8283, 21.6454, 26.9579



24.8702, 21.6454, 26.6109

Square

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



16.8283, 21.6454, 26.9579



21.7252, 21.6454, 36.9742



24.8364, 21.6454, 20.4752



19.4629, 21.6454, 13.8714

Rectangle

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



16.8283, 21.6454, 26.9579



18.9161, 21.6454, 36.1739



24.8364, 21.6454, 20.4752



22.3245, 21.6454, 14.2950

Sweetspot

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



16.8289, 21.6462, 26.9584



37.6409, 42.2565, 48.3478



13.8909, 20.4902, 10.6205



8.2960, 9.4025, 10.8305



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.



16.8289, 21.6462, 26.9584



27.9254, 37.2613, 47.2915



13.4390, 14.7508, 26.1846



5.1692, 5.6872, 6.4122



12.3856, 18.2868, 24.1189



0.0828, 0.1217, 0.1631

Inverse Universe

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



14.7260, 11.5751, 9.0483



23.7246, 17.1376, 11.5110



17.1025, 16.3869, 9.6592



5.0361, 5.0499, 5.2785



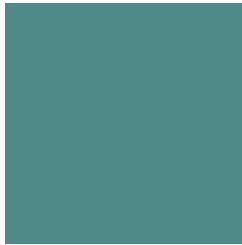
9.6222, 4.9590, 0.5147



0.0643, 0.0331, 0.0055

Previews

White Background



This preview shows how the XYZ color 16.8283, 21.6454, 26.9579 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 16.8283, 21.6454, 26.9579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

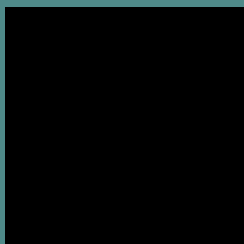
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

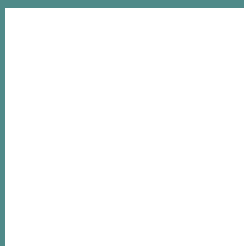
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8283, 21.6454, 26.9579

Background



This preview shows how black text looks on a background with the XYZ color 16.8283, 21.6454, 26.9579.



This preview shows how white text looks on a background with the XYZ color 16.8283, 21.6454,

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

16.8283, 21.6454, 26.9579

Protanopia

20.6719, 21.4576, 24.1713

Deuteranopia

21.7728, 21.3771, 27.7896



Tritanopia

17.5503, 21.5087, 30.8304

Trichromacy



Original Color

16.8283, 21.6454, 26.9579

Protanomaly

18.9055, 21.3056, 25.3063

Deuteranomaly

19.4499, 21.1420, 27.4818

Tritanomaly

17.2969, 21.6238, 29.2488

Monochromacy



Original Color

16.8283, 21.6454, 26.9579

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1810, 19.6884, 22.6334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8283, 21.6454, 26.9579 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(79, 138, 137)` looks like.

```
.text, #text, p{  
    color:rgb(79, 138, 137)  
}
```

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(79, 138, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 138, 137) }
```

Border

The CSS property to change the border of an element to XYZ 16.8283, 21.6454, 26.9579 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(79, 138, 137) }
```


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

```
.border{ border-color:rgb(79, 138, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 138, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 138, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 138, 137);  
box-shadow:4px 4px 4px 4px rgb(79, 138,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8283, 21.6454, 26.9579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 138, 137) }
```

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

```
.background{ background-color: rgb(79, 138,  
137) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor