

Converting Colors

XYZ(16.4599, 21.2657, 28.4868)

Have a look what the booklet for
XYZ(16.4599, 21.2657, 28.4868)
contains.

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Color

**XYZ(16.4259, 21.1921,
28.4241)**

Conversions

Conversions Part 1

Format	Color
Hex	48898D
RGB	72, 137, 141
RGB Percent	28%, 54%, 55%
CMY	0.7176, 0.4627, 0.4471
CMYK	0.49, 0.03, 0.00, 0.45
HSL	183°, 32%, 42%
HSV	183°, 49%, 55%
XYZ	16.4259, 21.1921, 28.4241
YIQ	118.0210, -40.0240, -12.5360

Conversions

Conversions Part 2

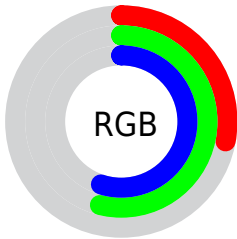
Format	Color
R_{YB}	72, 105, 141
Decimal	4753805
CIE _{Lab}	53.16, -19.59, -8.58
CIE _{LCh}	53, 21.391, 203.653
Yxy	21.1921, 0.2487, 0.3209
Android (android.graphics.Color)	4282943885 (0xFF48898D)
YUV	118.0210, 11.3286, -40.3604
Hunter-Lab	46.0349, -16.8697, -4.3840

Details

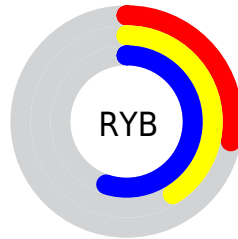
The XYZ color **16.4259, 21.1921, 28.4241** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.7391, 11.3000, 7.5358**, and the grayscale version is **17.2017, 18.0975, 19.7082**.

A 20% lighter version of the original color is **37.0853, 45.6374, 58.4840**, and **5.4217, 7.6363, 11.0857** is the 20% darker color. If you saturate the color by 10%, you get **15.3774, 20.4802, 28.3423**, and if you desaturate by 10%, it is **17.7177, 22.0317, 28.5184**.

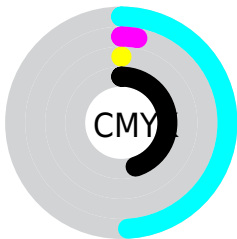
Distribution



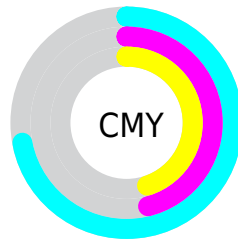
- Red (28%)
- Green (54%)
- Blue (55%)



- Red (28%)
- Yellow (41%)
- Blue (55%)



- Cyan (49%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)



- Cyan (72%)
- Magenta (46%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4259, 21.1921, 28.4241 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 16.4259, 21.1921, 28.4241 by changing the saturation by 10% instead.

■ 16.4259, 21.1921,
28.4241

■ 16.4259, 21.1921,
28.4241

■ 225.0632,
258.2976, 308.4634

■ 9.9188, 13.2645,
18.4038

■ 36.8875, 45.4070,
58.1921

■ 5.4070, 7.6109,
11.0678

■ 51.5728, 62.4631,
78.7768

■ 2.5252, 3.8470,
5.9977

■ 69.7147, 83.3309,
103.7200

■ 0.9080, 1.5884,
2.7749

■ 91.6788, 108.3946,
133.4404

■ 0.0000, 0.3497,
0.9809

■ 117.8303,
138.0388, 168.3563

■ 0.0000, 0.0000,
0.0000

148.5347,

172.6477, 208.8865

184.1572,
212.6059, 255.4493

■ 16.4259, 21.1921,
28.4241

■ 16.4259, 21.1921,
28.4241

■ 15.3774, 20.4802,
28.3423

■ 17.7177, 22.0317,
28.5184

■ 14.5535, 19.8850,
28.2709

■ 19.2660, 23.0043,
28.6246

■ 13.9360, 19.3975,
28.2093

■ 21.0853, 24.1179,
28.7436

■ 13.5031, 19.0064,
28.1566

■ 23.1886, 25.3792,
28.8762

■ 13.2027, 18.6849,
28.1104

■ 25.5878, 26.7944,
29.0229

■ 13.1719, 18.6514,
28.1056

■ 28.2943, 28.3694,
29.1843

■ 31.3190, 30.1097,
29.3608

■ 34.6720, 32.0205,
29.5529

■ 38.3632, 34.1071,
29.7611

Harmonies

Analogous

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



16.1329, 21.1921, 21.7288



16.4259, 21.1921, 28.4241



17.6803, 21.1921, 34.5919

Triad

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



16.4259, 21.1921, 28.4241



23.8408, 21.1921, 31.2450



20.6256, 21.1921, 12.8020

Complementary

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



16.4259, 21.1921, 28.4241



14.7391, 11.3000, 7.5358

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.



22.8232, 21.1921, 14.4478



16.4259, 21.1921, 28.4241



24.7667, 21.1921, 24.4748

Square

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



16.4259, 21.1921, 28.4241



21.9327, 21.1921, 36.4215



24.3812, 21.1921, 18.4423



18.4524, 21.1921, 13.4662

Rectangle

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



16.4259, 21.1921, 28.4241



18.9465, 21.1921, 37.1602



24.3812, 21.1921, 18.4423



21.3877, 21.1921, 13.0917

Sweetspot

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



16.4265, 21.1929, 28.4246



39.0605, 43.9753, 51.5572



13.4834, 20.9422, 10.0699



8.5739, 9.7315, 11.5059



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.4265, 21.1929, 28.4246



27.3189, 36.5225, 50.7376



12.3361, 13.0119, 27.0611



5.5339, 6.0635, 6.9075



12.0141, 17.0143, 25.6280



0.1201, 0.1732, 0.2468

Inverse Universe

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



17.8178, 12.1042, 25.0650



30.1742, 18.3979, 43.7241



17.7253, 17.2723, 8.5312



5.6129, 5.5057, 6.7258



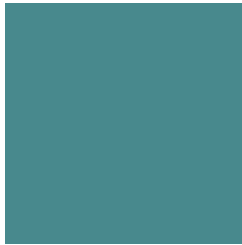
13.8673, 6.7039, 20.7503



0.1352, 0.0652, 0.2124

Previews

White Background



This preview shows how the XYZ color 16.4259, 21.1921, 28.4241 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 16.4259, 21.1921, 28.4241 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

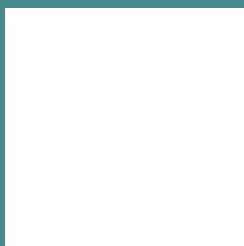
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4259, 21.1921, 28.4241

Background



This preview shows how black text looks on a background with the XYZ color 16.4259, 21.1921, 28.4241.



This preview shows how white text looks on a background with the XYZ color 16.4259, 21.1921,

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

16.4259, 21.1921, 28.4241

Protanopia

20.3681, 21.0786, 25.5493

Deuteranopia

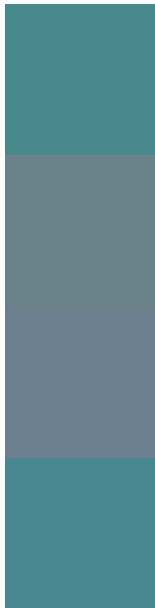
21.3229, 20.9254, 29.3007



Tritanopia

16.8947, 21.1707, 30.7997

Trichromacy



Original Color

16.4259, 21.1921, 28.4241

Protanomaly

18.4418, 20.8356, 26.7166

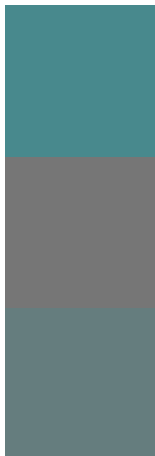
Deuteranomaly

18.9838, 20.6727, 28.9763

Tritanomaly

16.6626, 21.0691, 29.9766

Monochromacy



Original Color

16.4259, 21.1921, 28.4241

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.4663, 18.9403, 22.5266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4259, 21.1921, 28.4241 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(72, 137, 141)` looks like.

```
.text, #text, p{  
    color:rgb(72, 137, 141)  
}
```

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(72, 137, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 137, 141) }
```

Border

The CSS property to change the border of an element to XYZ 16.4259, 21.1921, 28.4241 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(72, 137, 141) }
```


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

```
.border{ border-color:rgb(72, 137, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 137, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 137, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 137, 141);  
box-shadow:4px 4px 4px 4px rgb(72, 137,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4259, 21.1921, 28.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 137, 141) }
```

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

```
.background{ background-color: rgb(72, 137,  
141) }
```

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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