

Converting Colors

XYZ(21.6347, 27.9223, 29.5720)

Have a look what the booklet for
XYZ(21.6347, 27.9223, 29.5720)
contains.

XYZ(21.6747, 28.0184, 29.4650)	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(21.6747, 28.0184,
29.4650)**

Conversions

Conversions Part 1

Format	Color
Hex	639B8D
RGB	99, 155, 141
RGB Percent	39%, 61%, 55%
CMY	0.6118, 0.3921, 0.4471
CMYK	0.36, 0.00, 0.09, 0.39
HSL	165°, 22%, 50%
HSV	165°, 36%, 61%
XYZ	21.6747, 28.0184, 29.4650
YIQ	136.6600, -28.8820, -16.2260

Conversions

Conversions Part 2

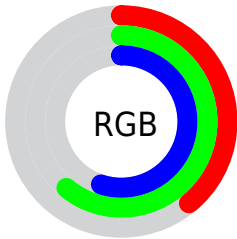
Format	Color
R _Y B	99, 131, 155
Decimal	6527885
CIE Lab	59.91, -21.70, 1.51
CIE LCh	60, 21.756, 176.026
Yxy	28.0184, 0.2738, 0.3540
Android (android.graphics.Color)	4284717965 (0xFF639B8D)
YUV	136.6600, 2.1396, -33.0278
Hunter-Lab	52.9324, -19.5397, 4.0487

Details

The XYZ color **21.6747, 28.0184, 29.4650** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.9611, 17.0854, 17.8171**, and the grayscale version is **23.6502, 24.8819, 27.0964**.

A 20% lighter version of the original color is **45.8458, 56.7087, 60.1593**, and **8.0576, 11.2843, 11.6509** is the 20% darker color. If you saturate the color by 10%, you get **19.8580, 27.1153, 27.9013**, and if you desaturate by 10%, it is **23.8282, 29.0954, 31.0983**.

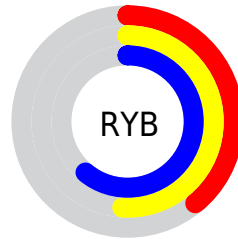
Distribution



Red (39%)

Green (61%)

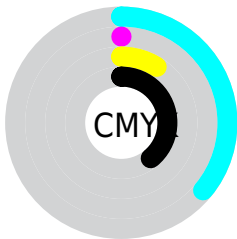
Blue (55%)



Red (39%)

Yellow (51%)

Blue (61%)

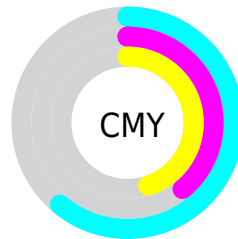


Cyan (36%)

Magenta (0%)

Yellow (9%)

Black (39%)



Cyan (61%)

Magenta (39%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6747, 28.0184, 29.4650 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 21.6747, 28.0184, 29.4650 by changing the saturation by 10% instead.

■ 21.6747, 28.0184,
29.4650

■ 21.6747, 28.0184,
29.4650

253.5072,
292.5548, 313.5320

■ 13.7333, 18.3395,
19.1843

■ 45.6906, 56.5138,
59.8660

■ 8.0159, 11.1940,
11.6253

■ 62.4959, 76.0992,
80.8234

■ 4.1570, 6.1975,
6.3697

■ 82.9865, 99.7554,
106.1768

■ 1.7913, 2.9655,
2.9987

■ 107.5278,
127.8671, 136.3447

■ 0.5124, 1.1138,
1.0940

136.4852,
160.8184, 171.7456

■ 0.0000, 0.0000,
0.0000

170.2240,

198.9939, 212.7981

209.1095,
242.7779, 259.9207

■ 21.6747, 28.0184,
29.4650

■ 21.6747, 28.0184,
29.4650

■ 19.8580, 27.1153,
27.9013

■ 23.8282, 29.0954,
31.0983

■ 18.3568, 26.3730,
26.4040

■ 26.3333, 30.3517,
32.8007

■ 17.1514, 25.7820,
24.9721

■ 29.2069, 31.7968,
34.5740

■ 16.2185, 25.3304,
23.6041

■ 32.4640, 33.4385,
36.4196

■ 15.5314, 25.0044,
22.2980

■ 36.1189, 35.2839,
38.3385

■ 15.0520, 24.7844,
21.0517

■ 40.1850, 37.3402,
40.3318

■ 14.8886, 24.7103,
20.5835

■ 44.6751, 39.6138,
42.4008

■ 49.6016, 42.1111,
44.5463

■ 54.9762, 44.8382,
46.7695

Harmonies

Analogous

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



22.4635, 28.0184, 22.7705



21.6747, 28.0184, 29.4650



22.1364, 28.0184, 37.6820

Triad

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



21.6747, 28.0184, 29.4650



29.0304, 28.0184, 46.3231



29.7110, 28.0184, 19.5494

Complementary

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



21.6747, 28.0184, 29.4650



20.9611, 17.0854, 17.8171

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.



31.6954, 28.0184, 24.3065



21.6747, 28.0184, 29.4650



31.2837, 28.0184, 39.8237

Square

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



21.6747, 28.0184, 29.4650



26.2642, 28.0184, 48.3416



32.2897, 28.0184, 31.5738



27.0005, 28.0184, 17.7072

Rectangle

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



21.6747, 28.0184, 29.4650



23.1097, 28.0184, 42.8188



32.2897, 28.0184, 31.5738



30.4922, 28.0184, 20.8156

Sweetspot

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



21.6755, 28.0195, 29.4656



49.6028, 55.5832, 60.2848



20.9052, 27.9176, 16.0919



11.0834, 12.5086, 13.5557



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.6755, 28.0195, 29.4656



36.2561, 48.9033, 50.5972



20.7260, 24.3464, 34.6185



6.3186, 7.0001, 7.6009



11.9739, 19.8530, 16.6150



0.1931, 0.3025, 0.3228

Inverse Universe

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



20.9611, 17.0854, 17.8171



34.7980, 26.4933, 26.7533



21.5722, 19.4734, 14.4268



6.2690, 6.2468, 6.7967



11.1618, 5.7189, 2.1109



0.1798, 0.0907, 0.0996

Previews

White Background



This preview shows how the XYZ color 21.6747, 28.0184, 29.4650 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 21.6747, 28.0184, 29.4650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

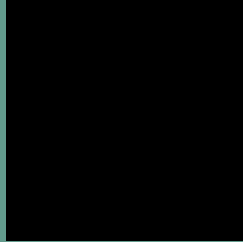
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6747, 28.0184, 29.4650

Background



This preview shows how black text looks on a background with the XYZ color 21.6747, 28.0184, 29.4650.

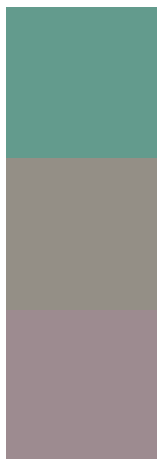


This preview shows how white text looks on a background with the XYZ color 21.6747, 28.0184,

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

21.6747, 28.0184, 29.4650

Protanopia

26.3383, 27.6621, 26.5054

Deuteranopia

28.1713, 27.6470, 30.2372



Tritanopia

23.6380, 28.0799, 39.2961

Trichromacy



Original Color

21.6747, 28.0184, 29.4650

Protanomaly

24.1550, 27.4194, 27.6863

Deuteranomaly

25.2367, 27.4682, 29.9584

Tritanomaly

22.8715, 28.0075, 35.6530

Monochromacy



Original Color

21.6747, 28.0184, 29.4650

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.7291, 25.9924, 27.8638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6747, 28.0184, 29.4650 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(99, 155, 141)` looks like.

```
.text, #text, p{  
    color:rgb(99, 155, 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(99, 155, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 155, 141) }
```

Border

The CSS property to change the border of an element to XYZ 21.6747, 28.0184, 29.4650 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(99, 155, 141) }
```


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

```
.border{ border-color:rgb(99, 155, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 155, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 155, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 155, 141);  
box-shadow:4px 4px 4px 4px rgb(99, 155,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6747, 28.0184, 29.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 155, 141) }
```

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

```
.background{ background-color: rgb(99, 155,  
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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