

Converting Colors

XYZ(16.8351, 21.7929, 29.6114)

Have a look what the booklet for
XYZ(16.8351, 21.7929, 29.6114)
contains.

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Color

**XYZ(16.8652, 21.8184,
29.7080)**

Conversions

Conversions Part 1

Format	Color
Hex	478B90
RGB	71, 139, 144
RGB Percent	28%, 55%, 56%
CMY	0.7216, 0.4549, 0.4353
CMYK	0.51, 0.03, 0.00, 0.44
HSL	184°, 34%, 42%
HSV	184°, 51%, 56%
XYZ	16.8652, 21.8184, 29.7080
YIQ	119.2380, -42.1330, -12.8610

Conversions

Conversions Part 2

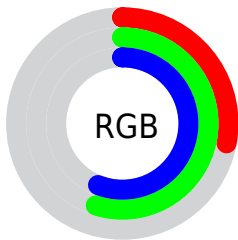
Format	Color
R_{YB}	71, 106, 144
Decimal	4688784
CIE _{Lab}	53.83, -20.04, -9.32
CIE _{LCh}	54, 22.100, 204.929
Yxy	21.8184, 0.2466, 0.3190
Android (android.graphics.Color)	4282878864 (0xFF478B90)
YUV	119.2380, 12.2077, -42.3047
Hunter-Lab	46.7102, -17.2935, -5.0117

Details

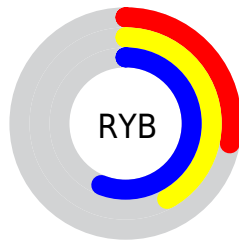
The XYZ color **16.8652, 21.8184, 29.7080** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.2238, 11.5536, 7.3896**, and the grayscale version is **17.5826, 18.4983, 20.1447**.

A 20% lighter version of the original color is **37.7205, 46.5771, 60.4283**, and **5.6553, 7.9852, 11.8329** is the 20% darker color. If you saturate the color by 10%, you get **15.7897, 21.0535, 29.6174**, and if you desaturate by 10%, it is **18.1936, 22.7166, 29.8117**.

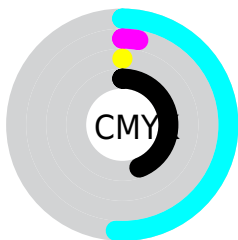
Distribution



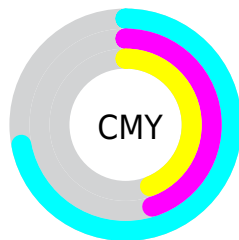
- Red (28%)
- Green (55%)
- Blue (56%)



- Red (28%)
- Yellow (42%)
- Blue (56%)



- Cyan (51%)
- Magenta (3%)
- Yellow (0%)
- Black (44%)



- Cyan (72%)
- Magenta (45%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8652, 21.8184, 29.7080 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 16.8652, 21.8184, 29.7080 by changing the saturation by 10% instead.

■ 16.8652, 21.8184,
29.7080

■ 16.8652, 21.8184,
29.7080

227.5658,
261.5964, 314.7058

■ 10.2331, 13.7235,
19.3669

■ 37.6393, 46.4457,
60.2556

■ 5.6173, 7.9286,
11.7562

■ 52.5121, 63.7468,
81.2992

■ 2.6522, 4.0493,
6.4574

■ 70.8624, 84.8856,
106.7474

■ 0.9726, 1.7012,
3.0519

■ 93.0557, 110.2463,
137.0187

■ 0.0000, 0.4244,
1.1212

■ 119.4574,
140.2133, 172.5316

■ 0.0000, 0.0000,
0.0000

150.4327,

175.1711, 213.7048

186.3471,
215.5040, 260.9567

■ 16.8652, 21.8184,
29.7080

■ 16.8652, 21.8184,
29.7080

■ 15.7897, 21.0535,
29.6174

■ 18.1936, 22.7166,
29.8117

■ 14.9472, 20.4100,
29.5376

■ 19.7891, 23.7540,
29.9279

■ 14.3180, 19.8784,
29.4682

■ 21.6673, 24.9390,
30.0576

■ 13.8781, 19.4464,
29.4080

■ 23.8418, 26.2787,
30.2016

■ 13.5785, 19.1025,
29.3574

■ 26.3256, 27.7798,
30.3604

■ 29.1308, 29.4485,
30.5347

■ 32.2687, 31.2906,
30.7249

■ 35.7503, 33.3119,
30.9315

■ 39.5860, 35.5177,
31.1551

Harmonies

Analogous

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



16.5125, 21.8184, 22.6189



16.8652, 21.8184, 29.7080



18.2223, 21.8184, 36.1521

Triad

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



16.8652, 21.8184, 29.7080



24.7053, 21.8184, 32.0939



21.1441, 21.8184, 12.9632

Complementary

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



16.8652, 21.8184, 29.7080



15.2238, 11.5536, 7.3896

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.



23.4746, 21.8184, 14.5778



16.8652, 21.8184, 29.7080



25.6285, 21.8184, 24.9317

Square

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



16.8652, 21.8184, 29.7080



22.7232, 21.8184, 37.7037



25.1619, 21.8184, 18.6582



18.8714, 21.8184, 13.7586

Rectangle

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



16.8652, 21.8184, 29.7080



19.5726, 21.8184, 38.7595



25.1619, 21.8184, 18.6582



21.9483, 21.8184, 13.2313

Sweetspot

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



16.8659, 21.8192, 29.7085



40.2142, 45.2237, 53.1475



13.8722, 21.8065, 10.2918



9.0572, 10.2691, 12.1770



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.8659, 21.8192, 29.7085



27.5912, 36.9423, 52.2144



12.4471, 12.9816, 28.2356



5.5291, 6.0540, 6.9059



11.8312, 16.6484, 25.5670



0.1193, 0.1715, 0.2465

Inverse Universe

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



18.4156, 12.3005, 25.8305



30.7159, 18.3998, 44.2493



18.4742, 18.0543, 8.4730



5.6105, 5.5047, 6.7131



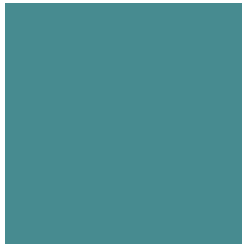
13.7750, 6.6670, 20.2640



0.1348, 0.0650, 0.2101

Previews

White Background



This preview shows how the XYZ color 16.8652, 21.8184, 29.7080 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 16.8652, 21.8184, 29.7080 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

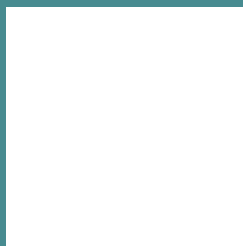
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8652, 21.8184, 29.7080

Background



This preview shows how black text looks on a background with the XYZ color 16.8652, 21.8184, 29.7080.

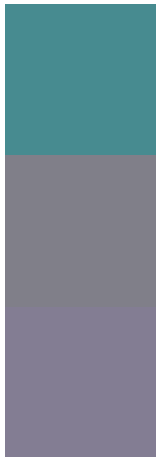


This preview shows how white text looks on a background with the XYZ color 16.8652, 21.8184,

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

16.8652, 21.8184, 29.7080

Protanopia

21.0068, 21.5741, 26.7239

Deuteranopia

21.9601, 21.5991, 30.6154



Tritanopia

17.2609, 21.7634, 31.7248

Trichromacy



Original Color

16.8652, 21.8184, 29.7080

Protanomaly

18.9133, 21.2518, 27.9161

Deuteranomaly

19.4776, 21.2918, 30.2773

Tritanomaly

17.0274, 21.6613, 30.8874

Monochromacy



Original Color

16.8652, 21.8184, 29.7080

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.8366, 19.3050, 23.2609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8652, 21.8184, 29.7080 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(71, 139, 144)` looks like.

```
.text, #text, p{  
    color:rgb(71, 139, 144)  
}
```

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(71, 139, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 139, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.8652, 21.8184, 29.7080 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(71, 139, 144) }
```


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

```
.border{ border-color:rgb(71, 139, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 139, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 139, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 139, 144);  
box-shadow:4px 4px 4px 4px rgb(71, 139,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8652, 21.8184, 29.7080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 139, 144) }
```

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

```
.background{ background-color: rgb(71, 139,  
144) }
```

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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