

Converting Colors

XYZ(16.8888, 21.1804, 42.6819)

Have a look what the booklet for
XYZ(16.8888, 21.1804, 42.6819)
contains.

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Color

**XYZ(16.8652, 21.1026,
42.7195)**

Conversions

Conversions Part 1

Format	Color
Hex	1889AD
RGB	24, 137, 173
RGB Percent	9%, 54%, 68%
CMY	0.9058, 0.4627, 0.3216
CMYK	0.86, 0.21, 0.00, 0.32
HSL	194°, 76%, 39%
HSV	194°, 86%, 68%
XYZ	16.8652, 21.1026, 42.7195
YIQ	107.3170, -78.9040, -12.7600

Conversions

Conversions Part 2

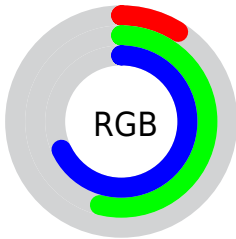
Format	Color
R_{YB}	24, 88, 173
Decimal	1608109
CIE _{Lab}	53.06, -16.71, -27.34
CIE _{LCh}	53, 32.046, 238.566
Yxy	21.1026, 0.2090, 0.2615
Android (android.graphics.Color)	4279798189 (0xFF1889AD)
YUV	107.3170, 32.3817, -73.0690
Hunter-Lab	45.9376, -14.8575, -22.9803

Details

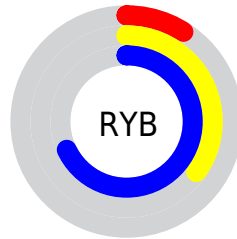
The XYZ color **16.8652, 21.1026, 42.7195** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.0157, 12.1840, 2.2147**, and the grayscale version is **13.9934, 14.7222, 16.0325**.

A 20% lighter version of the original color is **37.5933, 45.0807, 80.8488**, and **6.7984, 8.1725, 18.9884** is the 20% darker color. If you saturate the color by 10%, you get **15.9901, 19.7867, 42.5120**, and if you desaturate by 10%, it is **18.0219, 22.5986, 42.9477**.

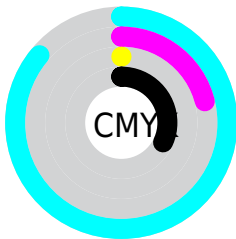
Distribution



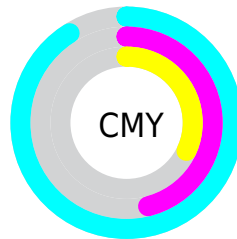
- Red (9%)
- Green (54%)
- Blue (68%)



- Red (9%)
- Yellow (35%)
- Blue (68%)



- Cyan (86%)
- Magenta (21%)
- Yellow (0%)
- Black (32%)



- Cyan (91%)
- Magenta (46%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8652, 21.1026, 42.7195 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, 21.1026, 42.7195 by changing the saturation by 10% instead.

■ 16.8652, 21.1026,
42.7195

■ 16.8652, 21.1026,
42.7195

■ 227.5658,
257.8233, 373.3442

■ 10.2331, 13.1990,
29.3353

■ 37.6393, 45.2582,
80.5692

■ 5.6173, 7.5657,
19.0869

■ 52.5121, 62.2791,
105.8718

■ 2.6522, 3.8184,
11.5556

■ 70.8624, 83.1078,
135.9843

■ 0.9726, 1.5725,
6.3230

■ 93.0557, 108.1288,
171.3253

■ 0.0000, 0.3389,
2.9705

■ 119.4574,
137.7264, 212.3132

■ 0.0000, 0.0000,
1.0796

■ 150.4327,

■ 0.0000, 0.0000,

172.2851, 259.3666

0.0000

186.3471,
212.1893, 312.9041

■ 16.8652, 21.1026,
42.7195

■ 16.8652, 21.1026,
42.7195

■ 15.9901, 19.7867,
42.5120

■ 18.0219, 22.5986,
42.9477

■ 15.6858, 19.3029,
42.4347

■ 19.5049, 24.2970,
43.1974

■ 21.3505, 26.2173,
43.4708

■ 23.5893, 28.3756,
43.7694

■ 26.2485, 30.7863,
44.0945

■ 29.3529, 33.4625,
44.4474

■ 32.9253, 36.4162,
44.8293

■ 36.9868, 39.6588,
45.2411

■ 41.5571, 43.2008,
45.6839

Harmonies

Analogous

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



14.8891, 21.1026, 33.0386



16.8652, 21.1026, 42.7195



19.8957, 21.1026, 46.9606

Triad

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



16.8652, 21.1026, 42.7195



27.2551, 21.1026, 23.4447



17.1167, 21.1026, 10.2315

Complementary

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



16.8652, 21.1026, 42.7195



19.0157, 12.1840, 2.2147

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.



20.2200, 21.1026, 8.9734



16.8652, 21.1026, 42.7195



26.3015, 21.1026, 15.1989

Square

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



16.8652, 21.1026, 42.7195



26.1077, 21.1026, 34.0739



23.6289, 21.1026, 10.5047



15.0224, 21.1026, 14.5964

Rectangle

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



16.8652, 21.1026, 42.7195



22.1913, 21.1026, 45.4320



23.6289, 21.1026, 10.5047



18.0648, 21.1026, 9.4959

Sweetspot

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



16.8659, 21.1033, 42.7200



52.3677, 59.7590, 79.5803



16.1046, 30.3954, 9.1261



10.9599, 12.6290, 17.2477



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.8659, 21.1033, 42.7200



27.9168, 34.2194, 75.9394



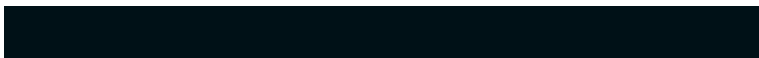
9.7392, 6.8500, 40.3445



8.0699, 8.7392, 10.2142



11.5695, 14.2728, 31.1897



0.3609, 0.4752, 0.8807

Inverse Universe

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



22.0763, 11.3446, 24.6936



38.1370, 18.8203, 39.7406



25.8237, 25.8001, 4.4841



8.2531, 8.1145, 9.6436



15.7034, 7.7439, 16.6153



0.4566, 0.2233, 0.5661

Previews

White Background



This preview shows how the XYZ color 16.8652, 21.1026, 42.7195 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, 21.1026, 42.7195 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, 21.1026, 42.7195

Background



This preview shows how black text looks on a background with the XYZ color 16.8652, 21.1026, 42.7195.

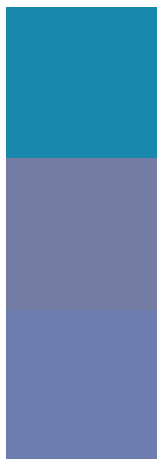


This preview shows how white text looks on a background with the XYZ color 16.8652, 21.1026,

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, 21.1026, 42.7195

Protanopia

21.1110, 20.8086, 38.0258

Deuteranopia

21.4768, 21.0530, 44.0060



Tritanopia

14.9640, 20.9905, 32.5410

Trichromacy



Original Color

16.8652, 21.1026, 42.7195

Protanomaly

18.3926, 20.3295, 39.5138

Deuteranomaly

18.7300, 20.4154, 43.5108

Tritanomaly

15.6033, 21.0265, 36.0370

Monochromacy



Original Color

16.8652, 21.1026, 42.7195

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6357, 16.1733, 23.8758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8652, 21.1026, 42.7195 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(24, 137, 173)` looks like.

```
.text, #text, p{  
    color:rgb(24, 137, 173)  
}
```

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(24, 137, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 137, 173) }
```

Border

The CSS property to change the border of an element to XYZ 16.8652, 21.1026, 42.7195 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(24, 137, 173) }
```


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

```
.border{ border-color:rgb(24, 137, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 137, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 137, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 137, 173);  
box-shadow:4px 4px 4px 4px rgb(24, 137,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8652, 21.1026, 42.7195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 137, 173) }
```

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

```
.background{ background-color: rgb(24, 137,  
173) }
```

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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