

Converting Colors

XYZ(16.9081, 21.6232, 34.0969)

Have a look what the booklet for
XYZ(16.9081, 21.6232, 34.0969)
contains.

XYZ(16.8684, 21.5042, 34.2720)	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(16.8684, 21.5042,
34.2720)**

Conversions

Conversions Part 1

Format	Color
Hex	3C8A9B
RGB	60, 138, 155
RGB Percent	24%, 54%, 61%
CMY	0.7647, 0.4588, 0.3922
CMYK	0.61, 0.11, 0.00, 0.39
HSL	191°, 44%, 42%
HSV	191°, 61%, 61%
XYZ	16.8684, 21.5042, 34.2720
YIQ	116.6160, -51.9450, -11.2490

Conversions

Conversions Part 2

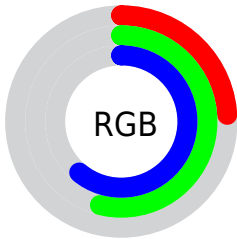
Format	Color
R_{YB}	60, 103, 155
Decimal	3967643
CIE _{Lab}	53.50, -18.57, -16.22
CIE _{LCh}	53, 24.661, 221.142
Yxy	21.5042, 0.2322, 0.2960
Android (android.graphics.Color)	4282157723 (0xFF3C8A9B)
YUV	116.6160, 18.9233, -49.6522
Hunter-Lab	46.3726, -16.2213, -11.3578

Details

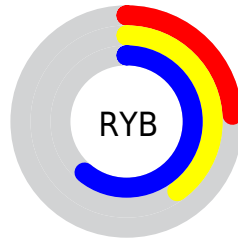
The XYZ color **16.8684, 21.5042, 34.2720** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.9877, 12.6033, 5.8131**, and the grayscale version is **16.7456, 17.6176, 19.1856**.

A 20% lighter version of the original color is **37.6944, 46.0846, 67.2301**, and **5.9884, 7.9789, 14.3212** is the 20% darker color. If you saturate the color by 10%, you get **15.6729, 20.3051, 34.1040**, and if you desaturate by 10%, it is **18.3497, 22.8666, 34.4573**.

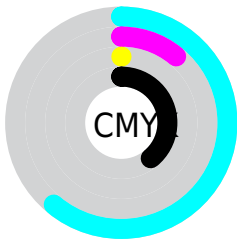
Distribution



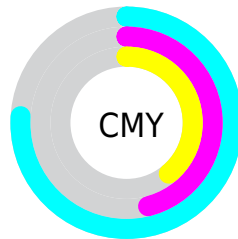
- Red (24%)
- Green (54%)
- Blue (61%)



- Red (24%)
- Yellow (40%)
- Blue (61%)



- Cyan (61%)
- Magenta (11%)
- Yellow (0%)
- Black (39%)



- Cyan (76%)
- Magenta (46%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8684, 21.5042, 34.2720 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 16.8684, 21.5042, 34.2720 by changing the saturation by 10% instead.

■ 16.8684, 21.5042,
34.2720

■ 16.8684, 21.5042,
34.2720

227.5839,
259.9460, 336.1493

■ 10.2354, 13.4931,
22.8236

■ 37.6448, 45.9252,
67.4952

■ 5.6188, 7.7689,
14.2592

■ 52.5189, 63.1038,
90.1070

■ 2.6531, 3.9475,
8.1604

■ 70.8708, 84.1070,
117.2770

■ 0.9731, 1.6442,
4.1085

■ 93.0657, 109.3192,
149.4238

■ 0.0000, 0.3871,
1.6851

■ 119.4692,
139.1248, 186.9659

■ 0.0000, 0.0000,
0.3505

150.4465,

■ 0.0000, 0.0000,

173.9082, 230.3218

0.0000

186.3629,
214.0538, 279.9101

■ 16.8684, 21.5042,
34.2720

■ 16.8684, 21.5042,
34.2720

■ 15.6729, 20.3051,
34.1040

■ 18.3497, 22.8666,
34.4573

■ 14.7364, 19.2541,
33.9504

■ 20.1366, 24.4013,
34.6593

■ 14.0303, 18.3366,
33.8106

■ 22.2494, 26.1194,
34.8796

■ 13.5401, 17.6138,
33.6969

■ 24.7061, 28.0301,
35.1189

■ 27.5234, 30.1422,
35.3781

■ 30.7167, 32.4639,
35.6579

■ 34.3007, 35.0026,
35.9591

■ 38.2892, 37.7657,
36.2822

■ 42.6952, 40.7600,
36.6279

Harmonies

Analogous

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



15.8756, 21.5042, 26.3206



16.8684, 21.5042, 34.2720



18.8505, 21.5042, 39.9328

Triad

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



16.8684, 21.5042, 34.2720



25.5979, 21.5042, 28.4050



19.4791, 21.5042, 11.9015

Complementary

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



16.8684, 21.5042, 34.2720



16.9877, 12.6033, 5.8131

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.



22.1145, 21.5042, 12.2251



16.8684, 21.5042, 34.2720



25.8027, 21.5042, 20.7305

Square

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



16.8684, 21.5042, 34.2720



23.9434, 21.5042, 36.0763



24.4812, 21.5042, 15.1327



17.2946, 21.5042, 14.1274

Rectangle

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



16.8684, 21.5042, 34.2720



20.5398, 21.5042, 41.0466



24.4812, 21.5042, 15.1327



20.3387, 21.5042, 11.7306

Sweetspot

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



16.8691, 21.5050, 34.2725



45.6585, 51.2708, 63.0261



14.8842, 24.9234, 10.8342



10.0357, 11.3782, 14.2376



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.



16.8691, 21.5050, 34.2725



27.3174, 35.5506, 60.9585



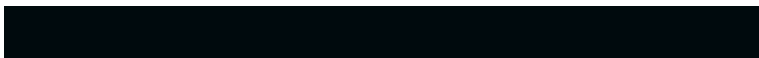
11.5790, 10.9248, 32.5092



6.2906, 6.8385, 7.9174



10.9003, 14.1973, 27.0735



0.1847, 0.2557, 0.4120

Inverse Universe

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



19.7215, 12.0360, 25.3293



33.1692, 18.0560, 42.1783



21.4582, 21.5443, 7.3033



6.4138, 6.3047, 7.5590



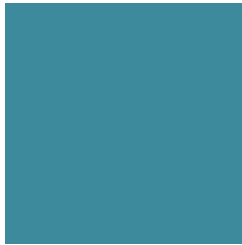
13.9607, 6.8385, 16.8501



0.2197, 0.1066, 0.3097

Previews

White Background



This preview shows how the XYZ color 16.8684, 21.5042, 34.2720 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 16.8684, 21.5042, 34.2720 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 16.8684, 21.5042, 34.2720

Background



This preview shows how black text looks on a background with the XYZ color 16.8684, 21.5042, 34.2720.

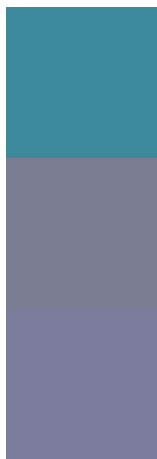


This preview shows how white text looks on a background with the XYZ color 16.8684, 21.5042,

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

16.8684, 21.5042, 34.2720

Protanopia

20.8957, 21.2392, 30.6020

Deuteranopia

21.8174, 21.4209, 35.3325



Tritanopia

16.4826, 21.5668, 32.1482

Trichromacy



Original Color

16.8684, 21.5042, 34.2720

Protanomaly

18.7432, 20.8766, 31.8959

Deuteranomaly

19.4353, 21.1663, 34.9594

Tritanomaly

16.7037, 21.6620, 33.0066

Monochromacy



Original Color

16.8684, 21.5042, 34.2720

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.2542, 18.7927, 24.2434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8684, 21.5042, 34.2720 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(60, 138, 155)` looks like.

```
.text, #text, p{  
    color:rgb(60, 138, 155)  
}
```

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(60, 138, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 138, 155) }
```

Border

The CSS property to change the border of an element to XYZ 16.8684, 21.5042, 34.2720 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(60, 138, 155) }
```


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

```
.border{ border-color:rgb(60, 138, 155) }
```

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

Here you see how a box with a 4 pixel rgb(60, 138, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 138, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 138, 155);  
box-shadow:4px 4px 4px 4px rgb(60, 138,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8684, 21.5042, 34.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 138, 155) }
```

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

```
.background{ background-color: rgb(60, 138,  
155) }
```

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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