

Converting Colors

XYZ(16.1858, 21.2398, 30.7509)

Have a look what the booklet for
XYZ(16.1858, 21.2398, 30.7509)
contains.

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Color

**XYZ(16.2184, 21.2442,
30.8495)**

Conversions

Conversions Part 1

Format	Color
Hex	3C8A93
RGB	60, 138, 147
RGB Percent	24%, 54%, 58%
CMY	0.7647, 0.4588, 0.4235
CMYK	0.59, 0.06, 0.00, 0.42
HSL	186°, 42%, 41%
HSV	186°, 59%, 58%
XYZ	16.2184, 21.2442, 30.8495
YIQ	115.7040, -49.3770, -13.7370

Conversions

Conversions Part 2

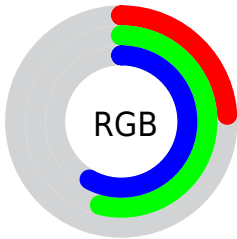
Format	Color
RYB	60, 101, 147
Decimal	3967635
CIELab	53.22, -21.02, -12.02
CIELCh	53, 24.211, 209.770
Yxy	21.2442, 0.2374, 0.3110
Android (android.graphics.Color)	4282157715 (0xFF3C8A93)
YUV	115.7040, 15.4289, -48.8524
Hunter-Lab	46.0914, -17.8504, -7.4194

Details

The XYZ color **16.2184, 21.2442, 30.8495** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9768, 10.7860, 5.5681**, and the grayscale version is **16.4757, 17.3337, 18.8764**.

A 20% lighter version of the original color is **36.5947, 45.6293, 62.1369**, and **5.6010, 7.8240, 12.2813** is the 20% darker color. If you saturate the color by 10%, you get **15.2343, 20.4157, 30.7418**, and if you desaturate by 10%, it is **17.4536, 22.2076, 30.9707**.

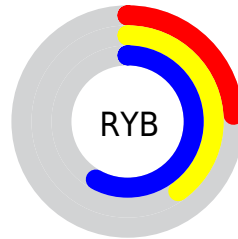
Distribution



Red (24%)

Green (54%)

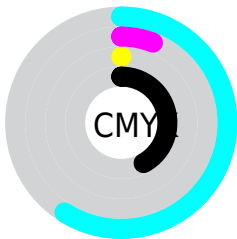
Blue (58%)



Red (24%)

Yellow (40%)

Blue (58%)

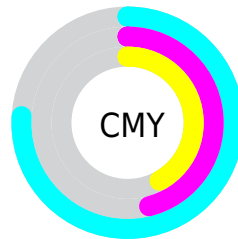


Cyan (59%)

Magenta (6%)

Yellow (0%)

Black (42%)



Cyan (76%)

Magenta (46%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2184, 21.2442, 30.8495 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 16.2184, 21.2442, 30.8495 by changing the saturation by 10% instead.

■ 16.2184, 21.2442,
30.8495

■ 16.2184, 21.2442,
30.8495

223.8722,
258.5734, 320.1741

■ 9.7707, 13.3026,
20.2268

■ 36.5313, 45.4936,
62.0798

■ 5.3083, 7.6373,
12.3743

■ 51.1272, 62.5702,
83.5245

■ 2.4658, 3.8637,
6.8735

■ 69.1699, 83.4606,
109.4136

■ 0.8781, 1.5976,
3.3059

■ 91.0247, 108.5492,
140.1657

■ 0.0000, 0.3560,
1.2529

■ 117.0570,
138.2204, 176.1992

■ 0.0000, 0.0000,
0.0227

147.6321,

■ 0.0000, 0.0000,

172.8586, 217.9327

0.0000

183.1153,
212.8481, 265.7849

■ 16.2184, 21.2442,
30.8495

■ 16.2184, 21.2442,
30.8495

■ 15.2343, 20.4157,
30.7418

■ 17.4536, 22.2076,
30.9707

■ 14.4783, 19.7089,
30.6453

■ 18.9565, 23.3130,
31.1049

■ 13.9266, 19.1119,
30.5591

■ 20.7447, 24.5701,
31.2533

■ 13.5220, 18.5953,
30.4807

■ 22.8335, 25.9868,
31.4166

■ 13.4901, 18.5538,
30.4744

■ 25.2373, 27.5705,
31.5956

■ 27.9695, 29.3281,
31.7909

■ 31.0428, 31.2661,
32.0030

■ 34.4690, 33.3908,
32.2325

■ 38.2595, 35.7079,
32.4800

Harmonies

Analogous

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



15.6643, 21.2442, 23.0749



16.2184, 21.2442, 30.8495



17.8167, 21.2442, 37.5523

Triad

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



16.2184, 21.2442, 30.8495



24.7441, 21.2442, 30.9682



20.2117, 21.2442, 11.7158

Complementary

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



16.2184, 21.2442, 30.8495



14.9768, 10.7860, 5.5681

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.



22.7695, 21.2442, 12.9748



16.2184, 21.2442, 30.8495



25.5175, 21.2442, 23.1879

Square

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



16.2184, 21.2442, 30.8495



22.7325, 21.2442, 37.6304



24.7667, 21.2442, 16.8215



17.8482, 21.2442, 12.9365

Rectangle

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



16.2184, 21.2442, 30.8495



19.3314, 21.2442, 39.9365



24.7667, 21.2442, 16.8215



21.0777, 21.2442, 11.8585

Sweetspot

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



16.2191, 21.2450, 30.8500



41.2189, 46.7569, 56.2871



13.3626, 22.2545, 9.1734



9.1652, 10.5102, 12.8304



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.2191, 21.2450, 30.8500



26.7951, 36.1231, 54.9948



11.2047, 11.2163, 29.1786



5.9134, 6.4608, 7.4051



11.7055, 16.1058, 26.4228



0.1551, 0.2209, 0.3274

Inverse Universe

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



18.2365, 11.2703, 25.2598



30.8933, 17.0678, 43.3681



18.6650, 18.1624, 6.7975



6.0097, 5.8990, 7.1574



14.0355, 6.8192, 19.4657



0.1778, 0.0859, 0.2698

Previews

White Background



This preview shows how the XYZ color 16.2184, 21.2442, 30.8495 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 16.2184, 21.2442, 30.8495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

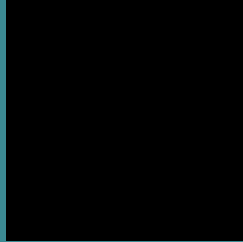
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.2184, 21.2442, 30.8495

Background



This preview shows how black text looks on a background with the XYZ color 16.2184, 21.2442, 30.8495.



This preview shows how white text looks on a background with the XYZ color 16.2184, 21.2442,

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

16.2184, 21.2442, 30.8495

Protanopia

20.4513, 20.8913, 27.3806

Deuteranopia

21.3404, 20.8800, 31.7596



Tritanopia

16.4378, 21.3390, 31.6862

Trichromacy



Original Color

16.2184, 21.2442, 30.8495

Protanomaly

18.2319, 20.6850, 28.6229

Deuteranomaly

18.7375, 20.4918, 31.4015

Tritanomaly

16.3582, 21.3072, 31.2675

Monochromacy



Original Color

16.2184, 21.2442, 30.8495

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.8623, 18.4344, 22.8008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2184, 21.2442, 30.8495 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(60, 138, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 138, 147) }
```

Border

The CSS property to change the border of an element to XYZ 16.2184, 21.2442, 30.8495 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, 147) }
```


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

```
.border{ border-color:rgb(60, 138, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 138, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 138, 147);  
box-shadow:4px 4px 4px 4px rgb(60, 138,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2184, 21.2442, 30.8495 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, 147) }
```

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

```
.background{ background-color: rgb(60, 138,  
147) }
```

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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