

Converting Colors

XYZ(15.9064, 21.2178, 28.9383)

Have a look what the booklet for
XYZ(15.9064, 21.2178, 28.9383)
contains.

XYZ(15.8344, 21.0906, 28.8275)	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(15.8344, 21.0906,
28.8275)**

Conversions

Conversions Part 1

Format	Color
Hex	3C8A8E
RGB	60, 138, 142
RGB Percent	24%, 54%, 56%
CMY	0.7647, 0.4588, 0.4431
CMYK	0.58, 0.03, 0.00, 0.44
HSL	183°, 41%, 40%
HSV	183°, 58%, 56%
XYZ	15.8344, 21.0906, 28.8275
YIQ	115.1340, -47.7720, -15.2920

Conversions

Conversions Part 2

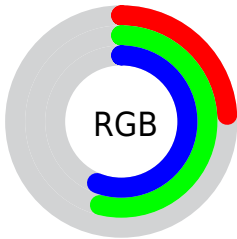
Format	Color
R_{YB}	60, 100, 142
Decimal	3967630
CIE _{Lab}	53.05, -22.50, -9.37
CIE _{LCh}	53, 24.376, 202.618
Yxy	21.0906, 0.2408, 0.3208
Android (android.graphics.Color)	4282157710 (0xFF3C8A8E)
YUV	115.1340, 13.2449, -48.3525
Hunter-Lab	45.9245, -18.8225, -5.0701

Details

The XYZ color **15.8344, 21.0906, 28.8275** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8047, 9.7441, 5.4286**, and the grayscale version is **16.3083, 17.1576, 18.6847**.

A 20% lighter version of the original color is **36.0159, 45.3978, 59.0890**, and **5.4215, 7.7522, 11.3358** is the 20% darker color. If you saturate the color by 10%, you get **14.9902, 20.5088, 28.7601**, and if you desaturate by 10%, it is **16.9108, 21.7939, 28.9069**.

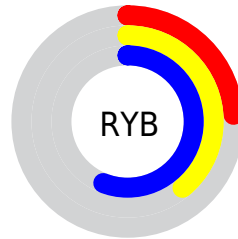
Distribution



Red (24%)

Green (54%)

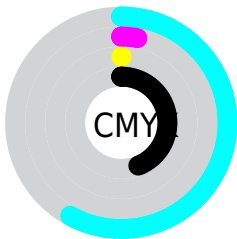
Blue (56%)



Red (24%)

Yellow (39%)

Blue (56%)

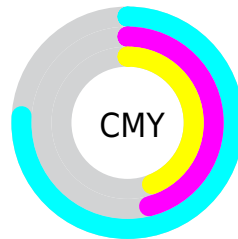


Cyan (58%)

Magenta (3%)

Yellow (0%)

Black (44%)



Cyan (76%)

Magenta (46%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8344, 21.0906, 28.8275 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 15.8344, 21.0906, 28.8275 by changing the saturation by 10% instead.

■ 15.8344, 21.0906,
28.8275

■ 15.8344, 21.0906,
28.8275

221.6522,
257.7596, 310.4356

■ 9.4971, 13.1902,
18.7059

■ 35.8702, 45.2383,
58.8418

■ 5.1265, 7.5597,
11.2833

■ 50.2996, 62.2544,
79.5716

■ 2.3572, 3.8145,
6.1412

■ 68.1569, 83.0778,
104.6746

■ 0.8237, 1.5704,
2.8609

■ 89.8077, 108.0931,
134.5692

■ 0.0000, 0.3375,
1.0241

■ 115.6173,
137.6845, 169.6741

■ 0.0000, 0.0000,
0.0000

145.9510,

172.2364, 210.4078

181.1742,
212.1333, 257.1888

■ 15.8344, 21.0906,
28.8275

■ 15.8344, 21.0906,
28.8275

■ 14.9902, 20.5088,
28.7601

■ 16.9108, 21.7939,
28.9069

■ 14.3573, 20.0365,
28.7023

■ 18.2341, 22.6251,
28.9976

■ 13.9146, 19.6631,
28.6535

■ 19.8204, 23.5927,
29.1007

■ 13.6191, 19.3666,
28.6119

■ 21.6836, 24.7040,
29.2170

■ 13.5572, 19.3023,
28.6027

■ 23.8367, 25.9657,
29.3471

■ 26.2919, 27.3841,
29.4915

■ 29.0608, 28.9651,
29.6507

■ 32.1540, 30.7143,
29.8253

■ 35.5822, 32.6371,
30.0158

Harmonies

Analogous

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



15.5473, 21.0906, 21.1989



15.8344, 21.0906, 28.8275



17.2018, 21.0906, 36.0955

Triad

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



15.8344, 21.0906, 28.8275



24.2200, 21.0906, 32.6371



20.6855, 21.0906, 11.6232

Complementary

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



15.8344, 21.0906, 28.8275



13.8047, 9.7441, 5.4286

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.



23.1875, 21.0906, 13.4800



15.8344, 21.0906, 28.8275



25.3381, 21.0906, 24.8246

Square

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



15.8344, 21.0906, 28.8275



22.0005, 21.0906, 38.6016



24.9451, 21.0906, 17.9551



18.2108, 21.0906, 12.2489

Rectangle

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



15.8344, 21.0906, 28.8275



18.6102, 21.0906, 39.2280



24.9451, 21.0906, 17.9551



21.5537, 21.0906, 11.9613

Sweetspot

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



15.8350, 21.0914, 28.8280



38.3754, 43.6447, 51.5295



12.4267, 20.6630, 7.9975



8.4371, 9.6688, 11.5010



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.8350, 21.0914, 28.8280



26.0981, 35.9227, 50.6861



11.1391, 11.6995, 27.2627



5.5381, 6.0719, 6.9089



12.1761, 17.3382, 25.6819



0.1209, 0.1747, 0.2470

Inverse Universe

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



17.3591, 10.8180, 25.2188



29.1084, 16.2502, 43.4184



16.8949, 15.9246, 6.4587



5.6151, 5.5066, 6.7369



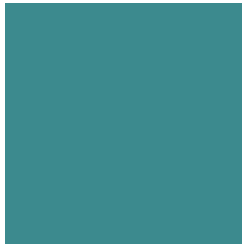
13.9490, 6.7366, 21.1808



0.1356, 0.0653, 0.2144

Previews

White Background



This preview shows how the XYZ color 15.8344, 21.0906, 28.8275 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 15.8344, 21.0906, 28.8275 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 15.8344, 21.0906, 28.8275

Background



This preview shows how black text looks on a background with the XYZ color 15.8344, 21.0906, 28.8275.

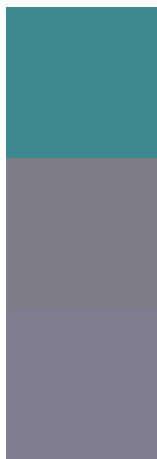


This preview shows how white text looks on a background with the XYZ color 15.8344, 21.0906,

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

15.8344, 21.0906, 28.8275

Protanopia

20.2409, 20.8241, 25.5069

Deuteranopia

21.2471, 20.8774, 29.6980



Tritanopia

16.3409, 21.0862, 31.2258

Trichromacy



Original Color

15.8344, 21.0906, 28.8275

Protanomaly

17.9775, 20.5962, 26.6949

Deuteranomaly

18.4621, 20.3950, 29.3491

Tritanomaly

16.1206, 20.9908, 30.3961

Monochromacy



Original Color

15.8344, 21.0906, 28.8275

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.5039, 18.0795, 22.0746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8344, 21.0906, 28.8275 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(60, 138, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 138, 142) }
```

Border

The CSS property to change the border of an element to XYZ 15.8344, 21.0906, 28.8275 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, 142) }
```


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

```
.border{ border-color:rgb(60, 138, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 138, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 138, 142);  
box-shadow:4px 4px 4px 4px rgb(60, 138,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8344, 21.0906, 28.8275 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, 142) }
```

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

```
.background{ background-color: rgb(60, 138,  
142) }
```

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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