

Converting Colors

XYZ(15.0318, 19.3285, 29.3120)

Have a look what the booklet for
XYZ(15.0318, 19.3285, 29.3120)
contains.

XYZ(15.0889, 19.4460, 29.3437)	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(15.0889, 19.4460,
29.3437)**

Conversions

Conversions Part 1

Format	Color
Hex	3B8490
RGB	59, 132, 144
RGB Percent	23%, 52%, 56%
CMY	0.7686, 0.4823, 0.4353
CMYK	0.59, 0.08, 0.00, 0.44
HSL	188°, 42%, 40%
HSV	188°, 59%, 56%
XYZ	15.0889, 19.4460, 29.3437
YIQ	111.5410, -47.3600, -11.7440

Conversions

Conversions Part 2

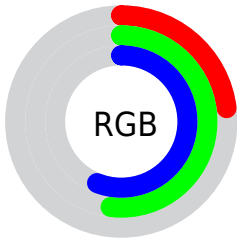
Format	Color
RYB	59, 98, 144
Decimal	3900560
CIELab	51.20, -18.94, -13.32
CIELCh	51, 23.154, 215.105
Yxy	19.4460, 0.2362, 0.3044
Android (android.graphics.Color)	4282090640 (0xFF3B8490)
YUV	111.5410, 16.0023, -46.0785
Hunter-Lab	44.0976, -16.0934, -8.5848




Details

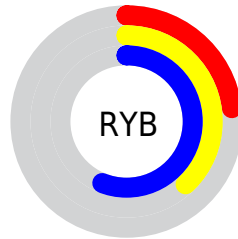
The XYZ color **15.0889, 19.4460, 29.3437** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.5446, 10.7518, 5.4468**, and the grayscale version is **15.2320, 16.0253, 17.4515**.




A 20% lighter version of the original color is **34.6122, 42.4200, 59.7897**, and **5.0377, 6.8427, 11.6449** is the 20% darker color. If you saturate the color by 10%, you get **14.0775, 18.5198, 29.2186**, and if you desaturate by 10%, it is **16.3424, 20.5058, 29.4826**.

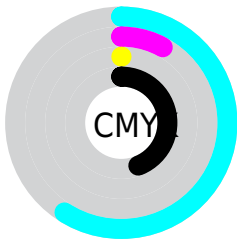
Distribution







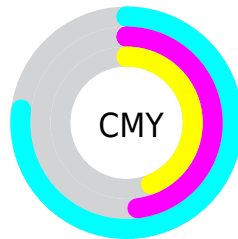
-  Red (23%)
-  Green (52%)
-  Blue (56%)






-  Red (23%)
-  Yellow (38%)
-  Blue (56%)



-  Cyan (59%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (44%)



-  Cyan (77%)
-  Magenta (48%)
-  Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0889, 19.4460, 29.3437 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 15.0889, 19.4460, 29.3437 by changing the saturation by 10% instead.

■ 15.0889, 19.4460,
29.3437

■ 15.0889, 19.4460,
29.3437

217.2814,
248.9000, 312.9447

■ 8.9685, 11.9930,
19.0932

■ 34.5794, 42.4864,
59.6714

■ 4.7776, 6.7389,
11.5601

■ 48.6803, 58.8426,
80.5856

■ 2.1508, 3.2994,
6.3260

■ 66.1721, 78.9352,
105.8915

■ 0.7166, 1.2899,
2.9723

■ 87.4200, 103.1488,
136.0076

■ 0.0000, 0.1334,
1.0805

■ 112.7896,
131.8677, 171.3525

■ 0.0000, 0.0000,
0.0000

142.6461,

165.4762, 212.3445

177.3549,
204.3589, 259.4025

■ 15.0889, 19.4460,
29.3437

■ 15.0889, 19.4460,
29.3437

■ 14.0775, 18.5198,
29.2186

■ 16.3424, 20.5058,
29.4826

■ 13.2864, 17.7146,
29.1049

■ 17.8537, 21.7062,
29.6346

■ 12.6931, 17.0193,
29.0019

■ 19.6396, 23.0562,
29.8010

■ 12.2432, 16.4058,
28.9072

■ 21.7146, 24.5633,
29.9826

■ 12.2009, 16.3473,
28.8982

■ 24.0924, 26.2347,
30.1799

■ 26.7858, 28.0769,
30.3935

■ 29.8067, 30.0962,
30.6240

■ 33.1665, 32.2985,
30.8720

■ 36.8760, 34.6894,
31.1380

Harmonies

Analogous

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



14.4105, 19.4460, 22.3229



15.0889, 19.4460, 29.3437



16.6792, 19.4460, 34.9000

Triad

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



15.0889, 19.4460, 29.3437



22.8016, 19.4460, 26.9788



18.0913, 19.4460, 10.8801

Complementary

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



15.0889, 19.4460, 29.3437



14.5446, 10.7518, 5.4468

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.



20.4121, 19.4460, 11.6207



15.0889, 19.4460, 29.3437



23.2581, 19.4460, 20.0640

Square

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



15.0889, 19.4460, 29.3437



21.1505, 19.4460, 33.3477



22.3510, 19.4460, 14.6807



16.0495, 19.4460, 12.3943

Rectangle

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



15.0889, 19.4460, 29.3437



18.1072, 19.4460, 36.5052



22.3510, 19.4460, 14.6807



18.8636, 19.4460, 10.8775

Sweetspot

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



15.0895, 19.4467, 29.3442



38.5579, 43.5080, 52.9037



12.8933, 21.3231, 9.2863



8.6060, 9.8084, 12.1118



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.



15.0895, 19.4467, 29.3442



24.3086, 32.1539, 51.4632



10.5083, 10.2844, 27.8171



5.4963, 5.9883, 6.8949



10.6375, 14.2609, 25.1691



0.1132, 0.1594, 0.2445

Inverse Universe

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



17.2309, 10.7236, 22.9924



28.6253, 15.9030, 38.3596



18.1780, 18.0186, 6.6579



5.5940, 5.4981, 6.6259



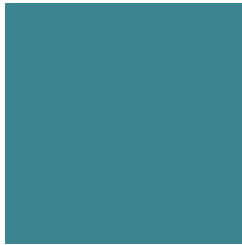
13.1724, 6.4260, 17.0911



0.1318, 0.0638, 0.1940

Previews

White Background



This preview shows how the XYZ color 15.0889, 19.4460, 29.3437 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 15.0889, 19.4460, 29.3437 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

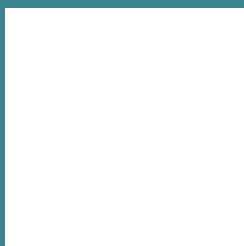
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.0889, 19.4460, 29.3437

Background



This preview shows how black text looks on a background with the XYZ color 15.0889, 19.4460, 29.3437.

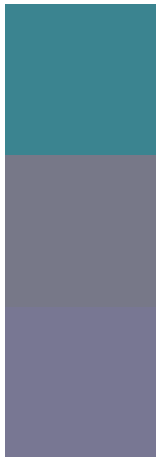


This preview shows how white text looks on a background with the XYZ color 15.0889, 19.4460,

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

15.0889, 19.4460, 29.3437

Protanopia

18.7682, 19.1325, 25.9963

Deuteranopia

19.6090, 19.2933, 30.2942



Tritanopia

15.0128, 19.4155, 28.9429

Trichromacy



Original Color

15.0889, 19.4460, 29.3437

Protanomaly

16.7976, 18.8208, 27.1735

Deuteranomaly

17.4330, 19.0873, 29.9595

Tritanomaly

15.0128, 19.4155, 28.9429

Monochromacy



Original Color

15.0889, 19.4460, 29.3437

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.7491, 16.9760, 21.5681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0889, 19.4460, 29.3437 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(59, 132, 144)` looks like.

```
.text, #text, p{  
    color:rgb(59, 132, 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(59, 132, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 132, 144) }
```

Border

The CSS property to change the border of an element to XYZ 15.0889, 19.4460, 29.3437 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(59, 132, 144) }
```


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

```
.border{ border-color:rgb(59, 132, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 132, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 132, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 132, 144);  
box-shadow:4px 4px 4px 4px rgb(59, 132,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0889, 19.4460, 29.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 132, 144) }
```

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

```
.background{ background-color: rgb(59, 132,  
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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