

Converting Colors

XYZ(15.9023, 18.8354, 43.9780)

Have a look what the booklet for
XYZ(15.9023, 18.8354, 43.9780)
contains.

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Color

**XYZ(15.8242, 18.7114,
43.8519)**

Conversions

Conversions Part 1

Format	Color
Hex	1380B0
RGB	19, 128, 176
RGB Percent	7%, 50%, 69%
CMY	0.9254, 0.4980, 0.3098
CMYK	0.89, 0.27, 0.00, 0.31
HSL	198°, 80%, 38%
HSV	198°, 89%, 69%
XYZ	15.8242, 18.7114, 43.8519
YIQ	100.8810, -80.3720, -8.1800

Conversions

Conversions Part 2

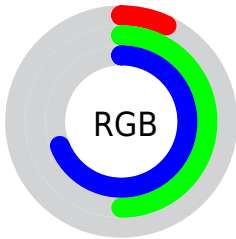
Format	Color
R _Y B	19, 83, 176
Decimal	1278128
CIE Lab	50.35, -10.92, -33.30
CIE LCh	50, 35.049, 251.847
Yxy	18.7114, 0.2019, 0.2387
Android (android.graphics.Color)	4279468208 (0xFF1380B0)
YUV	100.8810, 37.0337, -71.8096
Hunter-Lab	43.2567, -10.4001, -29.8262

Details

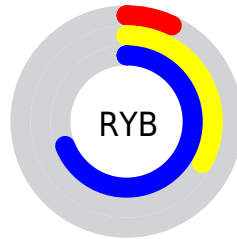
The XYZ color **15.8242, 18.7114, 43.8519** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.0307, 13.2939, 2.1273**, and the grayscale version is **12.2632, 12.9018, 14.0501**.

A 20% lighter version of the original color is **35.9132, 41.3607, 82.4345**, and **6.3711, 7.0220, 19.7585** is the 20% darker color. If you saturate the color by 10%, you get **14.8902, 17.2156, 43.6128**, and if you desaturate by 10%, it is **17.0260, 20.4011, 44.1151**.

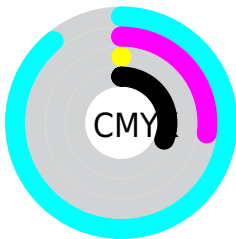
Distribution



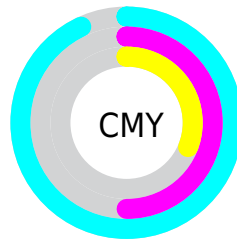
- Red (7%)
- Green (50%)
- Blue (69%)



- Red (7%)
- Yellow (33%)
- Blue (69%)



- Cyan (89%)
- Magenta (27%)
- Yellow (0%)
- Black (31%)



- Cyan (93%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8242, 18.7114, 43.8519 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 15.8242, 18.7114, 43.8519 by changing the saturation by 10% instead.

■ 15.8242, 18.7114,
43.8519

■ 15.8242, 18.7114,
43.8519

■ 221.5930,
244.8509, 378.1272

■ 9.4899, 11.4619,
30.2178

■ 35.8527, 41.2459,
82.2949

■ 5.1217, 6.3784,
19.7505

■ 50.2775, 57.2996,
107.9409

■ 2.3544, 3.0765,
12.0315

■ 68.1299, 77.0570,
138.4279

■ 0.8223, 1.1718,
6.6423

■ 89.7753, 100.9023,
174.1745

■ 0.0000, 0.0385,
3.1644

■ 115.5789,
129.2199, 215.5992

■ 0.0000, 0.0000,
1.1792

■ 145.9061,

■ 0.0000, 0.0000,

162.3943, 263.1205

0.0000

181.1224,
200.8098, 317.1570

■ 15.8242, 18.7114,
43.8519

■ 15.8242, 18.7114,
43.8519

■ 14.8902, 17.2156,
43.6128

■ 17.0260, 20.4011,
44.1151

■ 14.8189, 17.0994,
43.5941

■ 18.5683, 22.3221,
44.4046

■ 20.4911, 24.4962,
44.7229

■ 22.8280, 26.9416,
45.0717

■ 25.6087, 29.6741,
45.4526

■ 28.8600, 32.7086,
45.8670

■ 32.6065, 36.0583,
46.3161

■ 36.8710, 39.7358,
46.8011

■ 41.6749, 43.7528,
47.3233

Harmonies

Analogous

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



13.3448, 18.7114, 35.5948



15.8242, 18.7114, 43.8519



19.1611, 18.7114, 44.7468

Triad

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



15.8242, 18.7114, 43.8519



24.9825, 18.7114, 16.7657



13.7692, 18.7114, 9.3651

Complementary

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



15.8242, 18.7114, 43.8519



20.0307, 13.2939, 2.1273

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.



16.4757, 18.7114, 6.9922



15.8242, 18.7114, 43.8519



23.1139, 18.7114, 10.2598

Square

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



15.8242, 18.7114, 43.8519



24.7497, 18.7114, 26.7827



19.9006, 18.7114, 7.2568



12.2667, 18.7114, 15.0783

Rectangle

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



15.8242, 18.7114, 43.8519



21.4628, 18.7114, 40.7807



19.9006, 18.7114, 7.2568



14.5527, 18.7114, 8.2469

Sweetspot

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



15.8249, 18.7120, 43.8524



53.4458, 60.3259, 83.3225



16.7812, 31.5843, 10.3839



11.1268, 12.6578, 18.0011



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.8249, 18.7120, 43.8524



26.6672, 30.5940, 78.9950



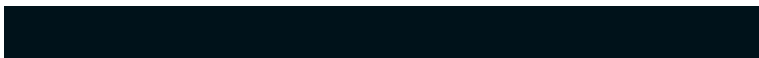
9.2640, 5.5903, 41.6654



8.5190, 9.1842, 10.8301



10.9263, 12.6529, 32.0034



0.3924, 0.4954, 1.0232

Inverse Universe

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



22.0343, 11.2552, 21.4338



38.7593, 19.2550, 34.6235



28.0875, 29.4075, 4.8129



8.7372, 8.6016, 10.1143



15.7497, 7.8175, 14.3740



0.5201, 0.2558, 0.5816

Previews

White Background



This preview shows how the XYZ color 15.8242, 18.7114, 43.8519 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 15.8242, 18.7114, 43.8519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

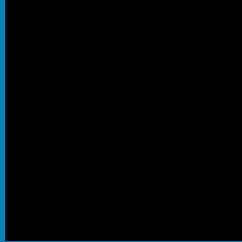
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8242, 18.7114, 43.8519

Background



This preview shows how black text looks on a background with the XYZ color 15.8242, 18.7114, 43.8519.

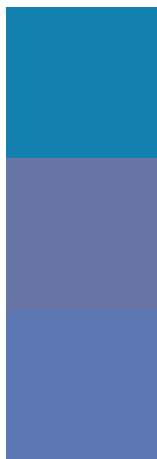


This preview shows how white text looks on a background with the XYZ color 15.8242, 18.7114,

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

15.8242, 18.7114, 43.8519

Protanopia

19.0453, 18.4557, 39.1177

Deuteranopia

19.0463, 18.6833, 44.7219



Tritanopia

13.3455, 18.7582, 28.9039

Trichromacy



Original Color

15.8242, 18.7114, 43.8519

Protanomaly

16.8407, 17.9935, 40.6157

Deuteranomaly

17.0753, 18.2172, 44.2113

Tritanomaly

14.1203, 18.6443, 33.8648

Monochromacy



Original Color

15.8242, 18.7114, 43.8519

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1793, 14.2670, 22.5340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8242, 18.7114, 43.8519 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(19, 128, 176)` looks like.

```
.text, #text, p{  
    color:rgb(19, 128, 176)  
}
```

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(19, 128, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 128, 176) }
```

Border

The CSS property to change the border of an element to XYZ 15.8242, 18.7114, 43.8519 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(19, 128, 176) }
```


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

```
.border{ border-color:rgb(19, 128, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 128, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 128, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 128, 176);  
box-shadow:4px 4px 4px 4px rgb(19, 128,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8242, 18.7114, 43.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 128, 176) }
```

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

```
.background{ background-color: rgb(19, 128,  
176) }
```

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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