

Converting Colors

XYZ(18.8633, 23.7144, 30.3711)

Have a look what the booklet for
XYZ(18.8633, 23.7144, 30.3711)
contains.

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Color

**XYZ(18.8638, 23.7155,
30.3714)**

Conversions

Conversions Part 1

Format	Color
Hex	578F91
RGB	87, 143, 145
RGB Percent	34%, 56%, 57%
CMY	0.6588, 0.4392, 0.4314
CMYK	0.40, 0.01, 0.00, 0.43
HSL	182°, 25%, 45%
HSV	182°, 40%, 57%
XYZ	18.8638, 23.7155, 30.3714
YIQ	126.4840, -34.0180, -11.2500

Conversions

Conversions Part 2

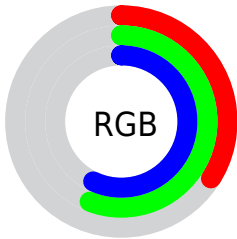
Format	Color
R_{YB}	87, 115, 145
Decimal	5738385
CIE _{Lab}	55.80, -17.84, -6.88
CIE _{LCh}	56, 19.118, 201.093
Yxy	23.7155, 0.2586, 0.3251
Android (android.graphics.Color)	4283928465 (0xFF578F91)
YUV	126.4840, 9.1284, -34.6275
Hunter-Lab	48.6986, -16.0790, -2.8879

Details

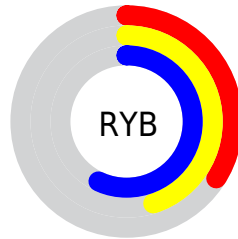
The XYZ color **18.8638, 23.7155, 30.3714** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.9701, 13.8530, 10.7969**, and the grayscale version is **19.9748, 21.0151, 22.8854**.

A 20% lighter version of the original color is **41.0903, 49.6315, 61.4470**, and **6.5524, 8.8206, 12.1837** is the 20% darker color. If you saturate the color by 10%, you get **17.5690, 22.9375, 30.2899**, and if you desaturate by 10%, it is **20.4323, 24.6362, 30.4669**.

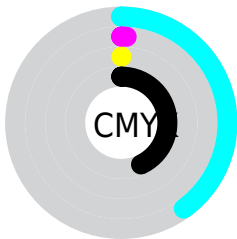
Distribution



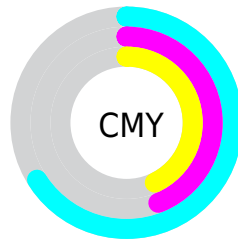
- Red (34%)
- Green (56%)
- Blue (57%)



- Red (34%)
- Yellow (45%)
- Blue (57%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (43%)



- Cyan (66%)
- Magenta (44%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8638, 23.7155, 30.3714 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 18.8638, 23.7155, 30.3714 by changing the saturation by 10% instead.

■ 18.8638, 23.7155,
30.3714

■ 18.8638, 23.7155,
30.3714

238.6484,
271.3790, 317.8928

■ 11.6753, 15.1227,
19.8662

■ 41.0225, 49.5655,
61.3170

■ 6.5936, 8.9056,
12.1147

■ 56.7234, 67.5916,
82.5944

■ 3.2533, 4.6796,
6.6984

■ 75.9925, 89.5308,
108.2997

■ 1.2891, 2.0605,
3.1986

■ 99.1952, 115.7677,
138.8514

■ 0.1750, 0.6423,
1.1969

126.6967,
146.6865, 174.6680

■ 0.0000, 0.0000,
0.0000

158.8626,

182.6718, 216.1681

196.0580,
224.1078, 263.7702

■ 18.8638, 23.7155,
30.3714

■ 18.8638, 23.7155,
30.3714

■ 17.5690, 22.9375,
30.2899

■ 20.4323, 24.6362,
30.4669

■ 16.5295, 22.2910,
30.2199

■ 22.2873, 25.7047,
30.5753

■ 15.7277, 21.7675,
30.1611

■ 24.4436, 26.9289,
30.6980

■ 15.1431, 21.3566,
30.1126

■ 26.9141, 28.3155,
30.8354

■ 14.7519, 21.0457,
30.0732

■ 29.7111, 29.8710,
30.9882

■ 14.4897, 20.8019,
30.0400

■ 32.8462, 31.6013,
31.1570

■ 14.4897, 20.8019,
30.0400

■ 36.3304, 33.5121,
31.3421

■ 40.1742, 35.6087,
31.5442

■ 44.3877, 37.8965,
31.7637

Harmonies

Analogous

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



18.6607, 23.7155, 24.0139



18.8638, 23.7155, 30.3714



20.0178, 23.7155, 36.2953

Triad

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



18.8638, 23.7155, 30.3714



25.9503, 23.7155, 34.0881



23.1938, 23.7155, 15.7145

Complementary

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



18.8638, 23.7155, 30.3714



16.9701, 13.8530, 10.7969

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.



25.2675, 23.7155, 17.5865



18.8638, 23.7155, 30.3714



26.9248, 23.7155, 27.7190

Square

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



18.8638, 23.7155, 30.3714



24.0779, 23.7155, 38.6694



26.6672, 23.7155, 21.7515



21.0707, 23.7155, 16.1914

Rectangle

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



18.8638, 23.7155, 30.3714



21.2142, 23.7155, 38.8742



26.6672, 23.7155, 21.7515



23.9217, 23.7155, 16.0772

Sweetspot

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



18.8645, 23.7164, 30.3720



42.8565, 47.7063, 54.9230



15.8568, 22.9977, 13.0404



9.4349, 10.5567, 12.2126



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.



18.8645, 23.7164, 30.3720



31.6735, 41.2054, 54.2576



15.0667, 16.1209, 29.1060



5.5446, 6.0849, 6.9110



12.4321, 17.8503, 25.7673



0.1221, 0.1771, 0.2474

Inverse Universe

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



20.0438, 14.8199, 27.7917



34.1094, 23.0664, 48.8745



19.8685, 19.6496, 11.7630



5.6183, 5.5079, 6.7542



14.0783, 6.7883, 21.8613



0.1362, 0.0656, 0.2176

Previews

White Background



This preview shows how the XYZ color 18.8638, 23.7155, 30.3714 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 18.8638, 23.7155, 30.3714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

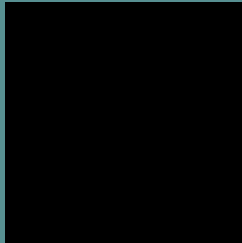
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8638, 23.7155, 30.3714

Background



This preview shows how black text looks on a background with the XYZ color 18.8638, 23.7155, 30.3714.

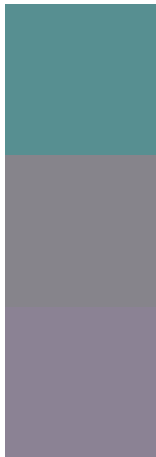


This preview shows how white text looks on a background with the XYZ color 18.8638, 23.7155,

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

18.8638, 23.7155, 30.3714

Protanopia

22.7430, 23.4349, 27.7508

Deuteranopia

23.9754, 23.5923, 31.3071



Tritanopia

19.5426, 23.7698, 33.6950

Trichromacy



Original Color

18.8638, 23.7155, 30.3714

Protanomaly

20.9480, 23.3133, 28.5951

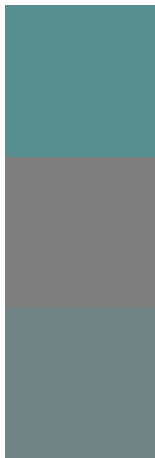
Deuteranomaly

21.6762, 23.4276, 30.9833

Tritanomaly

19.2025, 23.6227, 32.4017

Monochromacy



Original Color

18.8638, 23.7155, 30.3714

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.1670, 21.6407, 25.3572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8638, 23.7155, 30.3714 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(87, 143, 145)` looks like.

```
.text, #text, p{  
    color:rgb(87, 143, 145)  
}
```

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(87, 143, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 143, 145) }
```

Border

The CSS property to change the border of an element to XYZ 18.8638, 23.7155, 30.3714 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(87, 143, 145) }
```


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

```
.border{ border-color:rgb(87, 143, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 143, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 143, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 143, 145); box-shadow:4px 4px 4px 4px rgb(87, 143, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8638, 23.7155, 30.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 143, 145) }
```

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

```
.background{ background-color: rgb(87, 143,  
145) }
```

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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