

Converting Colors

XYZ(18.8646, 23.6452, 30.6322)

Have a look what the booklet for
XYZ(18.8646, 23.6452, 30.6322)
contains.

XYZ(18.9412, 23.7465, 30.7793)	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(18.9412, 23.7465,
30.7793)**

Conversions

Conversions Part 1

Format	Color
Hex	578F92
RGB	87, 143, 146
RGB Percent	34%, 56%, 57%
CMY	0.6588, 0.4392, 0.4274
CMYK	0.40, 0.02, 0.00, 0.43
HSL	183°, 25%, 46%
HSV	183°, 40%, 57%
XYZ	18.9412, 23.7465, 30.7793
YIQ	126.5980, -34.3390, -10.9390

Conversions

Conversions Part 2

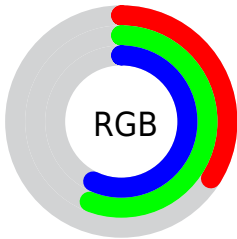
Format	Color
R_{YB}	87, 116, 146
Decimal	5738386
CIE _{Lab}	55.83, -17.57, -7.41
CIE _{LCh}	56, 19.072, 202.860
Yxy	23.7465, 0.2578, 0.3232
Android (android.graphics.Color)	4283928466 (0xFF578F92)
YUV	126.5980, 9.5652, -34.7274
Hunter-Lab	48.7304, -15.8963, -3.3377

Details

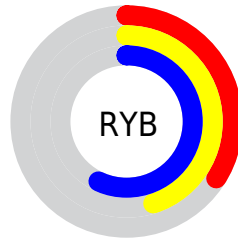
The XYZ color **18.9412, 23.7465, 30.7793** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.2308, 14.1115, 10.8329**, and the grayscale version is **20.0123, 21.0545, 22.9284**.

A 20% lighter version of the original color is **41.2068, 49.6781, 62.0606**, and **6.5982, 8.8389, 12.4247** is the 20% darker color. If you saturate the color by 10%, you get **17.6028, 22.8923, 30.6854**, and if you desaturate by 10%, it is **20.5575, 24.7462, 30.8875**.

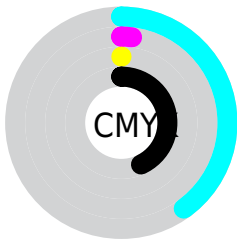
Distribution



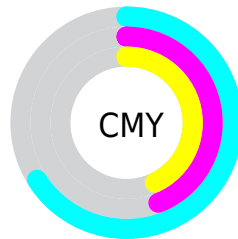
- Red (34%)
- Green (56%)
- Blue (57%)



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



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (43%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9412, 23.7465, 30.7793 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 18.9412, 23.7465, 30.7793 by changing the saturation by 10% instead.

■ 18.9412, 23.7465,
30.7793

■ 18.9412, 23.7465,
30.7793

239.0683,
271.5364, 319.8399

■ 11.7316, 15.1457,
20.1738

■ 41.1524, 49.6162,
61.9679

■ 6.6321, 8.9217,
12.3361

■ 56.8846, 67.6539,
83.3881

■ 3.2773, 4.6901,
6.8477

■ 76.1884, 89.6060,
109.2503

■ 1.3021, 2.0666,
3.2900

■ 99.4291, 115.8569,
139.9730

■ 0.1848, 0.6458,
1.2446

126.9721,
146.7910, 175.9748

■ 0.0000, 0.0000,
0.0157

159.1827,

■ 0.0000, 0.0000,

182.7926, 217.6742

0.0000

196.4263,
224.2463, 265.4897

■ 18.9412, 23.7465,
30.7793

■ 18.9412, 23.7465,
30.7793

■ 17.6028, 22.8923,
30.6854

■ 20.5575, 24.7462,
30.8875

■ 16.5234, 22.1721,
30.6033

■ 22.4649, 25.8965,
31.0090

■ 15.6851, 21.5774,
30.5326

■ 24.6782, 27.2056,
31.1450

■ 15.0671, 21.0972,
30.4725

■ 27.2108, 28.6804,
31.2962

■ 14.6446, 20.7190,
30.4218

■ 30.0751, 30.3273,
31.4631

■ 14.3605, 20.4197,
30.3790

■ 33.2830, 32.1524,
31.6463

■ 36.8456, 34.1615,
31.8463

■ 40.7738, 36.3602,
32.0637

■ 45.0777, 38.7536,
32.2988

Harmonies

Analogous

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



18.6797, 23.7465, 24.3995



18.9412, 23.7465, 30.7793



20.1447, 23.7465, 36.5944

Triad

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



18.9412, 23.7465, 30.7793



26.0610, 23.7465, 33.7589



23.0927, 23.7465, 15.7226

Complementary

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



18.9412, 23.7465, 30.7793



17.2308, 14.1115, 10.8329

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.



25.1833, 23.7465, 17.4551



18.9412, 23.7465, 30.7793



26.9668, 23.7465, 27.3691

Square

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



18.9412, 23.7465, 30.7793



24.2297, 23.7465, 38.4980



26.6357, 23.7465, 21.4877



20.9885, 23.7465, 16.3373

Rectangle

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



18.9412, 23.7465, 30.7793



21.3634, 23.7465, 39.0320



26.6357, 23.7465, 21.4877



23.8219, 23.7465, 16.0390

Sweetspot

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



18.9419, 23.7474, 30.7799



42.7775, 47.5483, 54.8967



16.0531, 23.3217, 13.3176



9.4158, 10.5184, 12.2062



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.



18.9419, 23.7474, 30.7799



31.3639, 40.5861, 54.1544



15.0859, 16.0354, 29.4945



5.9391, 6.5123, 7.4137



12.6422, 17.9791, 26.7350



0.1610, 0.2325, 0.3293

Inverse Universe

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



20.2207, 14.9110, 27.8001



33.9531, 23.0039, 48.0515



20.2253, 20.1006, 11.8310



6.0227, 5.9042, 7.2258



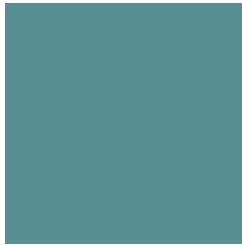
14.5083, 7.0084, 21.9553



0.1807, 0.0870, 0.2853

Previews

White Background



This preview shows how the XYZ color 18.9412, 23.7465, 30.7793 looks on a white background.

Color Contrast Check

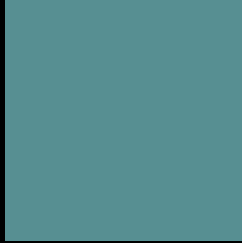
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9412, 23.7465, 30.7793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

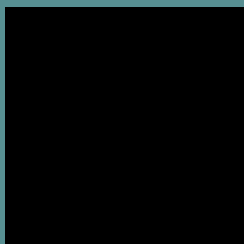
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

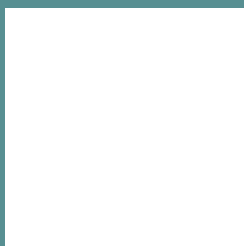
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9412, 23.7465, 30.7793

Background



This preview shows how black text looks on a background with the XYZ color 18.9412, 23.7465, 30.7793.

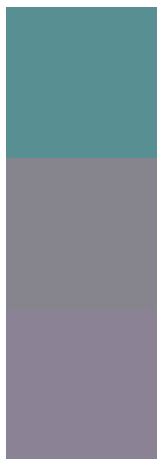


This preview shows how white text looks on a background with the XYZ color 18.9412, 23.7465,

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

18.9412, 23.7465, 30.7793

Protanopia

22.8164, 23.4643, 28.1375

Deuteranopia

24.0549, 23.6242, 31.7259



Tritanopia

19.5426, 23.7698, 33.6950

Trichromacy



Original Color

18.9412, 23.7465, 30.7793

Protanomaly

21.0228, 23.3432, 28.9889

Deuteranomaly

21.7550, 23.4591, 31.3984

Tritanomaly

19.2025, 23.6227, 32.4017

Monochromacy



Original Color

18.9412, 23.7465, 30.7793

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.3727, 21.9410, 25.7682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9412, 23.7465, 30.7793 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, 146)` looks like.

```
.text, #text, p{  
  color:rgb(87, 143, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 143, 146) }
```

Border

The CSS property to change the border of an element to XYZ 18.9412, 23.7465, 30.7793 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, 146) }
```


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

```
.border{ border-color:rgb(87, 143, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 143, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 143, 146);  
box-shadow:4px 4px 4px 4px rgb(87, 143,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9412, 23.7465, 30.7793 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, 146) }
```

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

```
.background{ background-color: rgb(87, 143,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor