

Converting Colors

XYZ(19.2952, 23.9630, 42.6386)

Have a look what the booklet for
XYZ(19.2952, 23.9630, 42.6386)
contains.

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Color

**XYZ(19.2233, 23.8549,
42.6210)**

Conversions

Conversions Part 1

Format	Color
Hex	3B90AC
RGB	59, 144, 172
RGB Percent	23%, 56%, 67%
CMY	0.7686, 0.4353, 0.3255
CMYK	0.66, 0.16, 0.00, 0.33
HSL	195°, 49%, 45%
HSV	195°, 66%, 67%
XYZ	19.2233, 23.8549, 42.6210
YIQ	121.7770, -59.6480, -9.3120

Conversions

Conversions Part 2

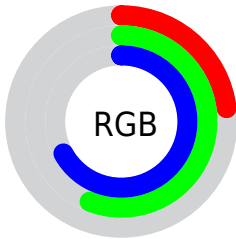
Format	Color
R_{YB}	59, 108, 172
Decimal	3903660
CIE _{Lab}	55.94, -16.60, -22.26
CIE _{LCh}	56, 27.772, 233.290
Y _{xy}	23.8549, 0.2243, 0.2784
Android (android.graphics.Color)	4282093740 (0xFF3B90AC)
YUV	121.7770, 24.7599, -55.0554
Hunter-Lab	48.8415, -15.2176, -17.5498

Details

The XYZ color **19.2233, 23.8549, 42.6210** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.2117, 15.9038, 6.0903**, and the grayscale version is **18.3627, 19.3190, 21.0384**.

A 20% lighter version of the original color is **41.5304, 49.7858, 80.0938**, and **7.3045, 9.1848, 19.1571** is the 20% darker color. If you saturate the color by 10%, you get **17.7336, 22.1471, 42.3703**, and if you desaturate by 10%, it is **21.0748, 25.7863, 42.8967**.

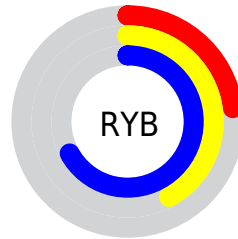
Distribution



Red (23%)

Green (56%)

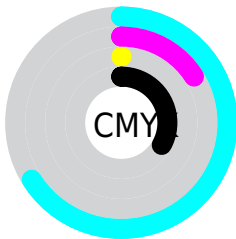
Blue (67%)



Red (23%)

Yellow (42%)

Blue (67%)

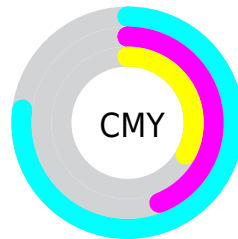


Cyan (66%)

Magenta (16%)

Yellow (0%)

Black (33%)



Cyan (77%)

Magenta (44%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2233, 23.8549, 42.6210 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 19.2233, 23.8549, 42.6210 by changing the saturation by 10% instead.

■ 19.2233, 23.8549,
42.6210

■ 19.2233, 23.8549,
42.6210

240.5933,
272.0861, 372.9261

■ 11.9367, 15.2260,
29.2587

■ 41.6250, 49.7933,
80.4188

■ 6.7725, 8.9782,
19.0293

■ 57.4709, 67.8716,
105.6914

■ 3.3653, 4.7269,
11.5144

■ 76.9006, 89.8686,
135.7711

■ 1.3497, 2.0880,
6.2955

■ 100.2794,
116.1685, 171.0766

■ 0.2200, 0.6578,
2.9539

■ 127.9727,
147.1558, 212.0263

■ 0.0000, 0.0000,
1.0711

160.3459,

■ 0.0000, 0.0000,

183.2149, 259.0387

0.0000

197.7643,
224.7302, 312.5325

■ 19.2233, 23.8549,
42.6210

■ 19.2233, 23.8549,
42.6210

■ 17.7336, 22.1471,
42.3703

■ 21.0748, 25.7863,
42.8967

■ 16.5686, 20.6420,
42.1412

■ 23.3158, 27.9547,
43.1971

■ 15.6846, 19.3171,
41.9321

■ 25.9738, 30.3750,
43.5242

■ 15.3470, 18.7797,
41.8461

■ 29.0732, 33.0601,
43.8791

■ 32.6363, 36.0220,
44.2630

■ 36.6839, 39.2717,
44.6769

■ 41.2355, 42.8197,
45.1219

■ 46.3096, 46.6758,
45.5987

■ 51.9236, 50.8493,
46.1084

Harmonies

Analogous

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



17.5256, 23.8549, 33.5006



19.2233, 23.8549, 42.6210



21.9689, 23.8549, 47.4396

Triad

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



19.2233, 23.8549, 42.6210



29.2776, 23.8549, 28.0664



20.3491, 23.8549, 13.0186

Complementary

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



19.2233, 23.8549, 42.6210



21.2117, 15.9038, 6.0903

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.



23.3927, 23.8549, 12.2142



19.2233, 23.8549, 42.6210



28.7418, 23.8549, 19.6685

Square

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



19.2233, 23.8549, 42.6210



27.9160, 23.8549, 37.8611



26.5133, 23.8549, 14.3478



18.1320, 23.8549, 16.8784

Rectangle

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



19.2233, 23.8549, 42.6210



24.1027, 23.8549, 46.9220



26.5133, 23.8549, 14.3478



21.3016, 23.8549, 12.4256

Sweetspot

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



19.2241, 23.8558, 42.6216



56.0843, 62.7784, 79.9673



18.2112, 31.0972, 13.7145



11.8123, 13.3293, 17.3379



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.2241, 23.8558, 42.6216



31.1038, 38.8447, 76.6642



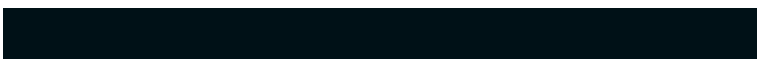
12.8344, 11.0764, 40.4917



8.0657, 8.7308, 10.2128



11.4655, 14.0648, 31.1550



0.3587, 0.4708, 0.8799

Inverse Universe

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



23.6120, 13.9130, 27.8274



40.1726, 21.2688, 45.4210



27.4566, 28.3937, 8.1720



8.2510, 8.1136, 9.6325



15.6509, 7.7229, 16.3388



0.4555, 0.2229, 0.5602

Previews

White Background



This preview shows how the XYZ color 19.2233, 23.8549, 42.6210 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 19.2233, 23.8549, 42.6210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

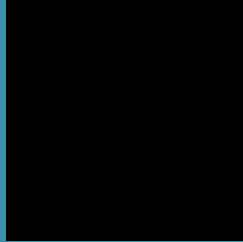
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.2233, 23.8549, 42.6210

Background



This preview shows how black text looks on a background with the XYZ color 19.2233, 23.8549, 42.6210.

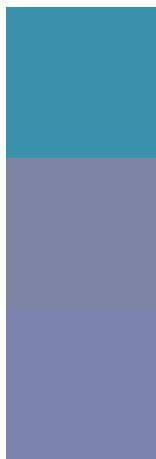


This preview shows how white text looks on a background with the XYZ color 19.2233, 23.8549,

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

19.2233, 23.8549, 42.6210

Protanopia

23.4663, 23.5825, 37.9654

Deuteranopia

24.1663, 23.6128, 43.8415



Tritanopia

17.8666, 23.7565, 35.9915

Trichromacy



Original Color

19.2233, 23.8549, 42.6210

Protanomaly

21.1666, 23.1863, 39.4362

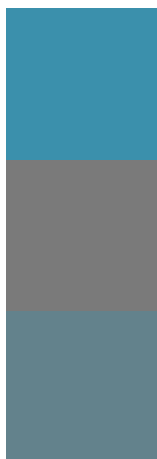
Deuteranomaly

21.6997, 23.3736, 43.4123

Tritanomaly

18.3118, 23.7074, 38.2612

Monochromacy



Original Color

19.2233, 23.8549, 42.6210

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.8618, 20.5114, 27.8286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2233, 23.8549, 42.6210 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, 144, 172)` looks like.

```
.text, #text, p{  
    color:rgb(59, 144, 172)  
}
```

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, 144, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 144, 172) }
```

Border

The CSS property to change the border of an element to XYZ 19.2233, 23.8549, 42.6210 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, 144, 172) }
```


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

```
.border{ border-color:rgb(59, 144, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 144, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 144, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 144, 172);  
box-shadow:4px 4px 4px 4px rgb(59, 144,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2233, 23.8549, 42.6210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 144, 172) }
```

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

```
.background{ background-color: rgb(59, 144,  
172) }
```

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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