

Converting Colors

XYZ(18.5092, 22.9891, 41.3059)

Have a look what the booklet for
XYZ(18.5092, 22.9891, 41.3059)
contains.

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Color

**XYZ(18.6160, 23.1181,
41.5113)**

Conversions

Conversions Part 1

Format	Color
Hex	398EAA
RGB	57, 142, 170
RGB Percent	22%, 56%, 67%
CMY	0.7764, 0.4431, 0.3333
CMYK	0.66, 0.16, 0.00, 0.33
HSL	195°, 50%, 45%
HSV	195°, 66%, 67%
XYZ	18.6160, 23.1181, 41.5113
YIQ	119.7770, -59.6480, -9.3120

Conversions

Conversions Part 2

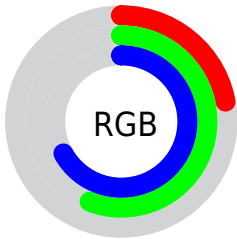
Format	Color
RYB	57, 106, 170
Decimal	3772074
CIELab	55.19, -16.50, -22.27
CIELCh	55, 27.719, 233.471
Yxy	23.1181, 0.2236, 0.2777
Android (android.graphics.Color)	4281962154 (0xFF398EAA)
YUV	119.7770, 24.7599, -55.0554
Hunter-Lab	48.0813, -15.0310, -17.5315




Details

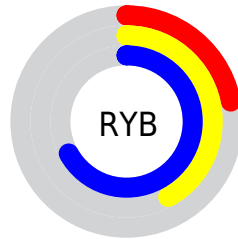
The XYZ color **18.6160, 23.1181, 41.5113** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.5653, 15.3394, 5.7485**, and the grayscale version is **17.7194, 18.6421, 20.3013**.




A 20% lighter version of the original color is **40.6667, 48.6980, 78.4905**, and **7.0972, 8.9623, 18.4954** is the 20% darker color. If you saturate the color by 10%, you get **17.1894, 21.4702, 41.2689**, and if you desaturate by 10%, it is **20.3923, 24.9823, 41.7780**.

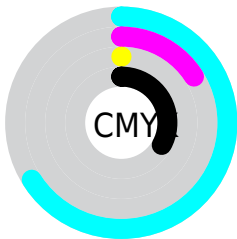
Distribution







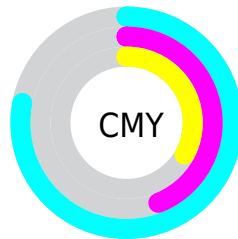
-  Red (22%)
-  Green (56%)
-  Blue (67%)






-  Red (22%)
-  Yellow (42%)
-  Blue (67%)



-  Cyan (66%)
-  Magenta (16%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (78%)
-  Magenta (44%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6160, 23.1181, 41.5113 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 18.6160, 23.1181, 41.5113 by changing the saturation by 10% instead.

■ 18.6160, 23.1181,
41.5113

■ 18.6160, 23.1181,
41.5113

237.2996,
268.3310, 368.1928

■ 11.4955, 14.6807,
28.3961

■ 40.6061, 48.5872,
78.7215

■ 6.4709, 8.5956,
18.3828

■ 56.2065, 66.3877,
103.6537

■ 3.1768, 4.4784,
11.0529

■ 75.3641, 88.0780,
133.3619

■ 1.2480, 1.9446,
5.9878

■ 98.4444, 114.0426,
168.2647

■ 0.1437, 0.5750,
2.7690

■ 125.8128,
144.6658, 208.7807

■ 0.0000, 0.0000,
0.9779

157.8345,

■ 0.0000, 0.0000,

180.3320, 255.3283

0.0000

194.8750,
221.4256, 308.3262

■ 18.6160, 23.1181,
41.5113

■ 18.6160, 23.1181,
41.5113

■ 17.1894, 21.4702,
41.2689

■ 20.3923, 24.9823,
41.7780

■ 16.0760, 20.0181,
41.0472

■ 22.5454, 27.0759,
42.0686

■ 15.2293, 18.7378,
40.8448

■ 25.1023, 29.4137,
42.3850

■ 14.9589, 18.3085,
40.7761

■ 28.0868, 32.0081,
42.7285

■ 31.5208, 34.8708,
43.1001

■ 35.4246, 38.0128,
43.5008

■ 39.8172, 41.4441,
43.9316

■ 44.7167, 45.1744,
44.3934

■ 50.1399, 49.2127,
44.8870

Harmonies

Analogous

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



16.9514, 23.1181, 32.5926



18.6160, 23.1181, 41.5113



21.3029, 23.1181, 46.1991

Triad

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



18.6160, 23.1181, 41.5113



28.4355, 23.1181, 27.1610



19.6859, 23.1181, 12.5461

Complementary

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



18.6160, 23.1181, 41.5113



20.5653, 15.3394, 5.7485

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.



22.6571, 23.1181, 11.7463



18.6160, 23.1181, 41.5113



27.8998, 23.1181, 18.9724

Square

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



18.6160, 23.1181, 41.5113



27.1134, 23.1181, 36.7475



25.7112, 23.1181, 13.8050



17.5273, 23.1181, 16.3246

Rectangle

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



18.6160, 23.1181, 41.5113



23.3895, 23.1181, 45.6637



25.7112, 23.1181, 13.8050



20.6150, 23.1181, 11.9634

Sweetspot

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



18.6168, 23.1189, 41.5119



54.6641, 61.1863, 77.9309



17.6383, 30.2501, 13.1682



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.



18.6168, 23.1189, 41.5119



30.1144, 37.5996, 74.6721



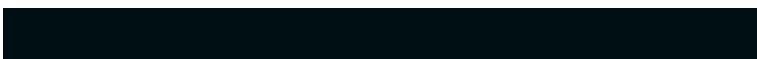
12.3628, 10.6111, 39.4272



7.5878, 8.2125, 9.6036



11.0494, 13.5589, 30.0103



0.3056, 0.4034, 0.7424

Inverse Universe

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



22.9238, 13.4260, 26.9752



39.0159, 20.5442, 43.9614



26.6754, 27.5595, 7.7852



7.7613, 7.6344, 9.0601



15.0778, 7.4398, 15.7531



0.3854, 0.1884, 0.4810

Previews

White Background



This preview shows how the XYZ color 18.6160, 23.1181, 41.5113 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 18.6160, 23.1181, 41.5113 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 18.6160, 23.1181, 41.5113

Background



This preview shows how black text looks on a background with the XYZ color 18.6160, 23.1181, 41.5113.

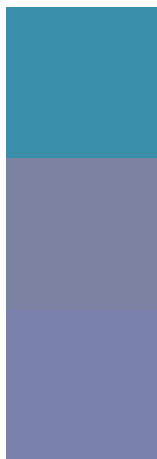


This preview shows how white text looks on a background with the XYZ color 18.6160, 23.1181,

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

18.6160, 23.1181, 41.5113

Protanopia

22.8164, 22.8590, 37.3921

Deuteranopia

23.4191, 22.8552, 42.7123



Tritanopia

17.2406, 22.9998, 34.9832

Trichromacy



Original Color

18.6160, 23.1181, 41.5113

Protanomaly

20.5722, 22.4761, 38.8514

Deuteranomaly

21.0085, 22.6254, 42.2896

Tritanomaly

17.6717, 22.9482, 37.2163

Monochromacy



Original Color

18.6160, 23.1181, 41.5113

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.2364, 19.8147, 26.9609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6160, 23.1181, 41.5113 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(57, 142, 170)` looks like.

```
.text, #text, p{  
    color:rgb(57, 142, 170)  
}
```

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(57, 142, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 142, 170) }
```

Border

The CSS property to change the border of an element to XYZ 18.6160, 23.1181, 41.5113 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(57, 142, 170) }
```


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

```
.border{ border-color:rgb(57, 142, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 142, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 142, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 142, 170);  
box-shadow:4px 4px 4px 4px rgb(57, 142,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6160, 23.1181, 41.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 142, 170) }
```

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

```
.background{ background-color: rgb(57, 142,  
170) }
```

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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