

Converting Colors

XYZ(18.1404, 23.7522, 39.8658)

Have a look what the booklet for
XYZ(18.1404, 23.7522, 39.8658)
contains.

XYZ(18.1581, 23.8245, 39.7180)	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(18.1581, 23.8245,
39.7180)**

Conversions

Conversions Part 1

Format	Color
Hex	2B92A6
RGB	43, 146, 166
RGB Percent	17%, 57%, 65%
CMY	0.8313, 0.4274, 0.3490
CMYK	0.74, 0.12, 0.00, 0.35
HSL	190°, 59%, 41%
HSV	190°, 74%, 65%
XYZ	18.1581, 23.8245, 39.7180
YIQ	117.4830, -67.8080, -15.6160

Conversions

Conversions Part 2

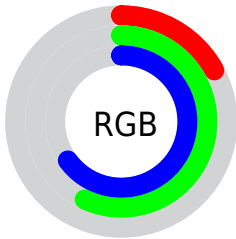
Format	Color
R_{YB}	43, 99, 166
Decimal	2855590
CIE _{Lab}	55.91, -21.99, -18.92
CIE _{LCh}	56, 29.010, 220.698
Yxy	23.8245, 0.2223, 0.2916
Android (android.graphics.Color)	4281045670 (0xFF2B92A6)
YUV	117.4830, 23.9189, -65.3216
Hunter-Lab	48.8103, -19.0137, -14.0783

Details

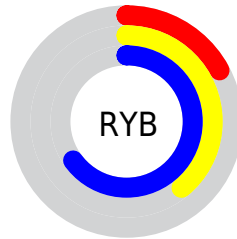
The XYZ color **18.1581, 23.8245, 39.7180** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.9403, 11.8376, 3.6257**, and the grayscale version is **17.0026, 17.8881, 19.4801**.

A 20% lighter version of the original color is **39.7688, 49.6548, 75.8949**, and **7.1295, 9.3993, 17.3581** is the 20% darker color. If you saturate the color by 10%, you get **17.1875, 22.7142, 39.5553**, and if you desaturate by 10%, it is **19.4232, 25.1022, 39.8984**.

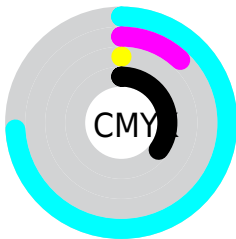
Distribution



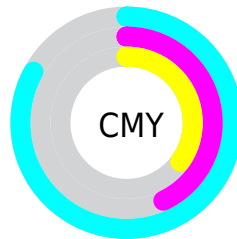
- Red (17%)
- Green (57%)
- Blue (65%)



- Red (17%)
- Yellow (39%)
- Blue (65%)



- Cyan (74%)
- Magenta (12%)
- Yellow (0%)
- Black (35%)



- Cyan (83%)
- Magenta (43%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1581, 23.8245, 39.7180 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 18.1581, 23.8245, 39.7180 by changing the saturation by 10% instead.

■ 18.1581, 23.8245,
39.7180

■ 18.1581, 23.8245,
39.7180

234.7891,
271.9320, 360.4502

■ 11.1639, 15.2035,
27.0066

■ 39.8345, 49.7437,
75.9663

■ 6.2453, 8.9623,
17.3457

■ 55.2475, 67.8106,
100.3403

■ 3.0369, 4.7166,
10.3167

■ 74.1974, 89.7950,
129.4389

■ 1.1733, 2.0820,
5.5011

■ 97.0496, 116.0811,
163.6807

■ 0.0851, 0.6545,
2.4803

■ 124.1696,
147.0535, 203.4842

■ 0.0000, 0.0000,
0.8297

155.9226,

■ 0.0000, 0.0000,

183.0966, 249.2679

0.0000

192.6739,
224.5946, 301.4504

■ 18.1581, 23.8245,
39.7180

■ 18.1581, 23.8245,
39.7180

■ 17.1875, 22.7142,
39.5553

■ 19.4232, 25.1022,
39.8984

■ 16.4723, 21.7495,
39.4068

■ 21.0114, 26.5607,
40.0962

■ 16.1169, 21.2209,
39.3235

■ 22.9501, 28.2146,
40.3133

■ 25.2632, 30.0765,
40.5507

■ 27.9727, 32.1576,
40.8096

■ 31.0985, 34.4684,
41.0909

■ 34.6594, 37.0187,
41.3955

■ 38.6728, 39.8176,
41.7242

■ 43.1555, 42.8736,
42.0778

Harmonies

Analogous

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



16.9539, 23.8245, 29.4700



18.1581, 23.8245, 39.7180



20.6072, 23.8245, 47.2004

Triad

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



18.1581, 23.8245, 39.7180



29.1907, 23.8245, 32.4371



21.4846, 23.8245, 11.8470

Complementary

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



18.1581, 23.8245, 39.7180



17.9403, 11.8376, 3.6257

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.



24.8117, 23.8245, 12.2712



18.1581, 23.8245, 39.7180



29.4841, 23.8245, 22.7053

Square

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



18.1581, 23.8245, 39.7180



27.0485, 23.8245, 42.3395



27.8149, 23.8245, 15.7868



18.7465, 23.8245, 14.4399

Rectangle

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



18.1581, 23.8245, 39.7180



22.7220, 23.8245, 48.7402



27.8149, 23.8245, 15.7868



22.5671, 23.8245, 11.6610

Sweetspot

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



18.1589, 23.8254, 39.7186



51.6675, 59.0380, 74.1476



15.4878, 28.1285, 9.0929



11.2539, 12.9798, 16.5643



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.1589, 23.8254, 39.7186



30.2939, 40.0471, 71.6085



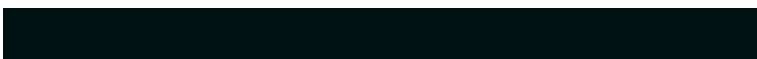
11.2120, 9.9316, 37.4030



7.6422, 8.3213, 9.6217



12.5263, 16.5128, 30.5026



0.3316, 0.4554, 0.7511

Inverse Universe

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



21.7788, 11.9109, 28.3461



37.6618, 18.8792, 47.7698



23.2396, 22.4361, 5.3921



7.7887, 7.6454, 9.2047



15.8233, 7.7380, 19.6789



0.3985, 0.1937, 0.5501

Previews

White Background



This preview shows how the XYZ color 18.1581, 23.8245, 39.7180 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 18.1581, 23.8245, 39.7180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

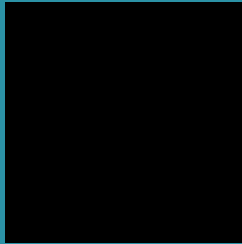
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.1581, 23.8245, 39.7180

Background



This preview shows how black text looks on a background with the XYZ color 18.1581, 23.8245, 39.7180.

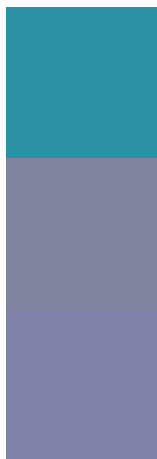


This preview shows how white text looks on a background with the XYZ color 18.1581, 23.8245,

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

18.1581, 23.8245, 39.7180

Protanopia

23.1541, 23.4920, 34.7666

Deuteranopia

24.0301, 23.6092, 40.8266



Tritanopia

17.4911, 23.7827, 36.4695

Trichromacy



Original Color

18.1581, 23.8245, 39.7180

Protanomaly

20.2206, 22.9708, 36.6258

Deuteranomaly

20.6959, 22.9223, 40.3794

Tritanomaly

17.8304, 23.9272, 37.8611

Monochromacy



Original Color

18.1581, 23.8245, 39.7180

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.3088, 19.3613, 25.7992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1581, 23.8245, 39.7180 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(43, 146, 166)` looks like.

```
.text, #text, p{  
    color:rgb(43, 146, 166)  
}
```

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(43, 146, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 146, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.1581, 23.8245, 39.7180 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(43, 146, 166) }
```


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

```
.border{ border-color:rgb(43, 146, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 146, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 146, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 146, 166);  
box-shadow:4px 4px 4px 4px rgb(43, 146,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1581, 23.8245, 39.7180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 146, 166) }
```

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

```
.background{ background-color: rgb(43, 146,  
166) }
```

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