

Converting Colors

XYZ(18.6893, 24.4548, 39.9151)

Have a look what the booklet for
XYZ(18.6893, 24.4548, 39.9151)
contains.

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Color

**XYZ(18.7395, 24.5860,
39.8343)**

Conversions

Conversions Part 1

Format	Color
Hex	3194A6
RGB	49, 148, 166
RGB Percent	19%, 58%, 65%
CMY	0.8078, 0.4196, 0.3490
CMYK	0.70, 0.11, 0.00, 0.35
HSL	189°, 54%, 42%
HSV	189°, 70%, 65%
XYZ	18.7395, 24.5860, 39.8343
YIQ	120.4510, -64.7820, -15.3900

Conversions

Conversions Part 2

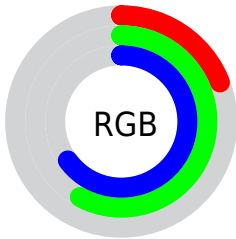
Format	Color
RYB	49, 103, 166
Decimal	3249318
CIELab	56.67, -22.22, -17.75
CIElCh	57, 28.439, 218.616
Yxy	24.5860, 0.2253, 0.2956
Android (android.graphics.Color)	4281439398 (0xFF3194A6)
YUV	120.4510, 22.4557, -62.6625
Hunter-Lab	49.5843, -19.3116, -12.9226




Details

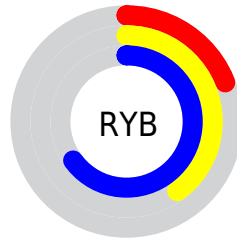
The XYZ color **18.7395, 24.5860, 39.8343** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.2882, 12.3440, 4.3253**, and the grayscale version is **17.9432, 18.8777, 20.5578**.



A 20% lighter version of the original color is **40.7272, 50.8410, 76.0734**, and **7.3120, 9.7643, 17.4189** is the 20% darker color. If you saturate the color by 10%, you get **17.6855, 23.4550, 39.6720**, and if you desaturate by 10%, it is **20.0988, 25.8885, 40.0145**.

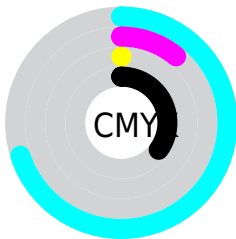
Distribution







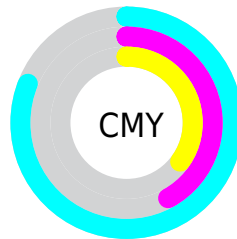
-  Red (19%)
-  Green (58%)
-  Blue (65%)






-  Red (19%)
-  Yellow (40%)
-  Blue (65%)



-  Cyan (70%)
-  Magenta (11%)
-  Yellow (0%)
-  Black (35%)



-  Cyan (81%)
-  Magenta (42%)
-  Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7395, 24.5860, 39.8343 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 18.7395, 24.5860, 39.8343 by changing the saturation by 10% instead.

■ 18.7395, 24.5860,
39.8343

■ 18.7395, 24.5860,
39.8343

237.9727,
275.7699, 360.9560

■ 11.5851, 15.7689,
27.0966

■ 40.8137, 50.9848,
76.1455

■ 6.5320, 9.3608,
17.4127

■ 56.4643, 69.3353,
100.5560

■ 3.2149, 4.9772,
10.3641

■ 75.6775, 91.6323,
129.6945

■ 1.2684, 2.2339,
5.5323

■ 98.8189, 118.2603,
163.9795

■ 0.1594, 0.7384,
2.4987

■ 126.2538,
149.6037, 203.8297

■ 0.0000, 0.0000,
0.8395

158.3475,

■ 0.0000, 0.0000,

186.0468, 249.6634

0.0000

195.4653,
227.9741, 301.8993

■ 18.7395, 24.5860,
39.8343

■ 18.7395, 24.5860,
39.8343

■ 17.6855, 23.4550,
39.6720

■ 20.0988, 25.8885,
40.0145

■ 16.9001, 22.4750,
39.5242

■ 21.7900, 27.3749,
40.2123

■ 16.3289, 21.6449,
39.3941

■ 23.8398, 29.0593,
40.4294

■ 26.2711, 30.9538,
40.6669

■ 29.1050, 33.0693,
40.9259

■ 32.3611, 35.4160,
41.2072

■ 36.0577, 38.0034,
41.5118

■ 40.2119, 40.8404,
41.8404

■ 44.8400, 43.9354,
42.1939

Harmonies

Analogous

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



17.6231, 24.5860, 29.5949



18.7395, 24.5860, 39.8343



21.1235, 24.5860, 47.5841

Triad

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



18.7395, 24.5860, 39.8343



29.8102, 24.5860, 33.9816



22.4276, 24.5860, 12.4891

Complementary

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



18.7395, 24.5860, 39.8343



18.2882, 12.3440, 4.3253

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.



25.7667, 24.5860, 13.1308



18.7395, 24.5860, 39.8343



30.2432, 24.5860, 24.1308

Square

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



18.7395, 24.5860, 39.8343



27.5700, 24.5860, 43.6882



28.7026, 24.5860, 16.9289



19.6167, 24.5860, 14.9037

Rectangle

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



18.7395, 24.5860, 39.8343



23.2149, 24.5860, 49.4414



28.7026, 24.5860, 16.9289



23.5223, 24.5860, 12.3689

Sweetspot

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



18.7403, 24.5869, 39.8349



52.3214, 59.6494, 74.2311



15.9033, 28.3259, 9.8700



11.3916, 13.1142, 16.5830



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.



18.7403, 24.5869, 39.8349



31.1737, 41.4524, 71.8334



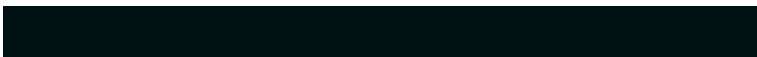
11.8024, 10.7112, 37.5223



7.6478, 8.3325, 9.6236



12.6896, 16.8393, 30.5570



0.3344, 0.4610, 0.7520

Inverse Universe

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



22.1702, 12.4426, 29.2511



38.1924, 19.4227, 49.5429



23.6210, 23.0097, 6.1029



7.7916, 7.6465, 9.2196



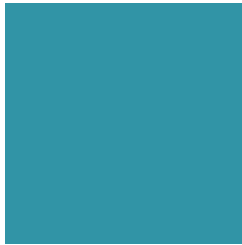
15.9057, 7.7710, 20.1128



0.3999, 0.1942, 0.5575

Previews

White Background



This preview shows how the XYZ color 18.7395, 24.5860, 39.8343 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 18.7395, 24.5860, 39.8343 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

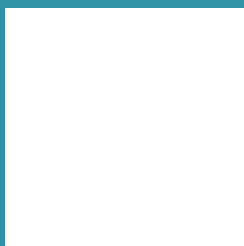
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7395, 24.5860, 39.8343

Background



This preview shows how black text looks on a background with the XYZ color 18.7395, 24.5860, 39.8343.

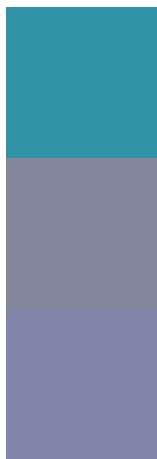


This preview shows how white text looks on a background with the XYZ color 18.7395, 24.5860,

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

18.7395, 24.5860, 39.8343

Protanopia

23.9710, 24.3098, 35.3271

Deuteranopia

24.7728, 24.1924, 40.9001



Tritanopia

18.3072, 24.6489, 37.5110

Trichromacy



Original Color

18.7395, 24.5860, 39.8343

Protanomaly

20.9446, 23.7700, 36.7419

Deuteranomaly

21.5232, 23.7708, 40.4996

Tritanomaly

18.5306, 24.7436, 38.4497

Monochromacy



Original Color

18.7395, 24.5860, 39.8343

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1141, 20.1511, 26.6545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7395, 24.5860, 39.8343 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(49, 148, 166)` looks like.

```
.text, #text, p{  
    color:rgb(49, 148, 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(49, 148, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 148, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.7395, 24.5860, 39.8343 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(49, 148, 166) }
```


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

```
.border{ border-color:rgb(49, 148, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 148, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 148, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 148, 166);  
box-shadow:4px 4px 4px 4px rgb(49, 148,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7395, 24.5860, 39.8343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 148, 166) }
```

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

```
.background{ background-color: rgb(49, 148,  
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](#).

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