

Converting Colors

XYZ(17.7907, 23.8526, 37.1306)

Have a look what the booklet for
XYZ(17.7907, 23.8526, 37.1306)
contains.

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Color

**XYZ(17.8176, 23.9410,
36.9397)**

Conversions

Conversions Part 1

Format	Color
Hex	2C93A0
RGB	44, 147, 160
RGB Percent	17%, 58%, 63%
CMY	0.8274, 0.4235, 0.3725
CMYK	0.72, 0.08, 0.00, 0.37
HSL	187°, 57%, 40%
HSV	187°, 72%, 63%
XYZ	17.8176, 23.9410, 36.9397
YIQ	117.6850, -65.5610, -17.7930

Conversions

Conversions Part 2

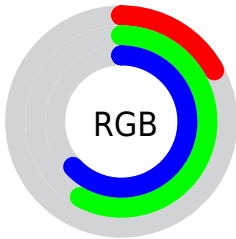
Format	Color
RYB	44, 99, 160
Decimal	2921376
CIELab	56.03, -24.31, -15.30
CIELCh	56, 28.725, 212.189
Yxy	23.9410, 0.2264, 0.3042
Android (android.graphics.Color)	4281111456 (0xFF2C93A0)
YUV	117.6850, 20.8613, -64.6217
Hunter-Lab	48.9295, -20.6263, -10.5107

Details

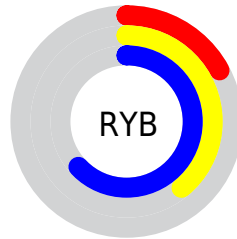
The XYZ color **17.8176, 23.9410, 36.9397** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.4156, 10.5825, 3.5610**, and the grayscale version is **17.0741, 17.9632, 19.5620**.

A 20% lighter version of the original color is **39.2158, 49.8054, 71.8365**, and **6.9432, 9.4699, 15.9299** is the 20% darker color. If you saturate the color by 10%, you get **16.9817, 23.0999, 36.8219**, and if you desaturate by 10%, it is **18.9243, 24.9292, 37.0726**.

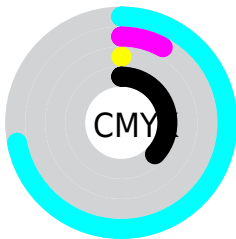
Distribution



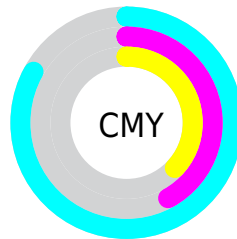
- Red (17%)
- Green (58%)
- Blue (63%)



- Red (17%)
- Yellow (39%)
- Blue (63%)



- Cyan (72%)
- Magenta (8%)
- Yellow (0%)
- Black (37%)



- Cyan (83%)
- Magenta (42%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8176, 23.9410, 36.9397 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 17.8176, 23.9410, 36.9397 by changing the saturation by 10% instead.

■ 17.8176, 23.9410,
36.9397

■ 17.8176, 23.9410,
36.9397

232.9065,
272.5221, 348.2102

■ 10.9180, 15.2899,
24.8654

■ 39.2588, 49.9339,
71.6653

■ 6.0786, 9.0231,
15.7587

■ 54.5311, 68.0445,
95.1537

■ 2.9341, 4.7562,
9.2011

■ 73.3250, 90.0769,
123.2839

■ 1.1190, 2.1050,
4.7740

■ 96.0060, 116.4157,
156.4744

■ 0.0409, 0.6674,
2.0588

■ 122.9392,
147.4453, 195.1437

■ 0.0000, 0.0000,
0.5911

154.4901,

■ 0.0000, 0.0000,

183.5499, 239.7104

0.0000

191.0241,
225.1140, 290.5931

■ 17.8176, 23.9410,
36.9397

■ 17.8176, 23.9410,
36.9397

■ 16.9817, 23.0999,
36.8219

■ 18.9243, 24.9292,
37.0726

■ 16.3820, 22.3864,
36.7157

■ 20.3268, 26.0759,
37.2200

■ 16.0288, 21.9051,
36.6415

■ 22.0499, 27.3943,
37.3836

■ 24.1150, 28.8956,
37.5646

■ 26.5416, 30.5898,
37.7637

■ 29.3479, 32.4864,
37.9819

■ 32.5507, 34.5939,
38.2199

■ 36.1659, 36.9207,
38.4784

■ 40.2084, 39.4745,
38.7583

Harmonies

Analogous

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



17.0093, 23.9410, 26.7646



17.8176, 23.9410, 36.9397



19.9338, 23.9410, 45.5632

Triad

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



17.8176, 23.9410, 36.9397



28.8113, 23.9410, 35.4506



22.5148, 23.9410, 11.8483

Complementary

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



17.8176, 23.9410, 36.9397



16.4156, 10.5825, 3.5610

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.



25.8310, 23.9410, 13.1185



17.8176, 23.9410, 36.9397



29.6681, 23.9410, 25.3829

Square

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



17.8176, 23.9410, 36.9397



26.2883, 23.9410, 44.5681



28.5299, 23.9410, 17.5703



19.5537, 23.9410, 13.5605

Rectangle

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



17.8176, 23.9410, 36.9397



21.9075, 23.9410, 48.4087



28.5299, 23.9410, 17.5703



23.6244, 23.9410, 11.9399

Sweetspot

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



17.8184, 23.9419, 36.9403



48.2251, 55.5648, 68.5699



14.3142, 25.9593, 7.9474



10.3197, 12.0093, 15.0178



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.8184, 23.9419, 36.9403



30.1139, 41.1160, 66.7355



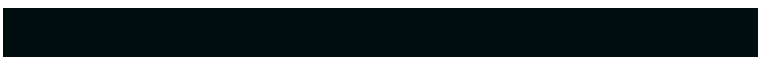
11.0747, 10.4546, 34.6924



6.7584, 7.3825, 8.4754



12.5060, 17.1035, 28.5494



0.2399, 0.3384, 0.5159

Inverse Universe

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



20.6650, 11.3823, 28.7125



35.8732, 18.0239, 49.5695



20.9249, 19.6010, 5.0641



6.8721, 6.7418, 8.1777



15.1107, 7.3488, 20.6315



0.2784, 0.1347, 0.4122

Previews

White Background



This preview shows how the XYZ color 17.8176, 23.9410, 36.9397 looks on a white background.

Color Contrast Check

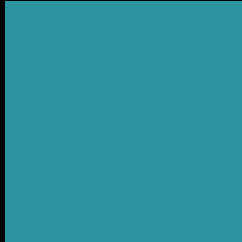
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8176, 23.9410, 36.9397 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 17.8176, 23.9410, 36.9397

Background



This preview shows how black text looks on a background with the XYZ color 17.8176, 23.9410, 36.9397.

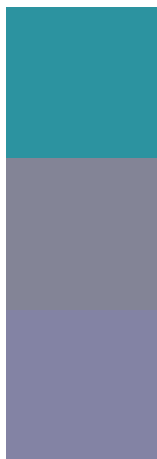


This preview shows how white text looks on a background with the XYZ color 17.8176, 23.9410,

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

17.8176, 23.9410, 36.9397

Protanopia

23.1164, 23.5298, 32.1775

Deuteranopia

24.1772, 23.7382, 38.4296



Tritanopia

17.6880, 23.8842, 36.4788

Trichromacy



Original Color

17.8176, 23.9410, 36.9397

Protanomaly

19.9240, 22.8771, 33.9375

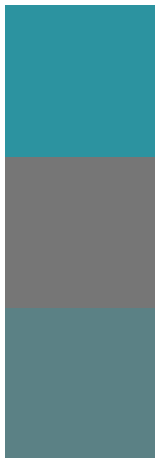
Deuteranomaly

20.7021, 23.1883, 38.0350

Tritanomaly

17.6880, 23.8842, 36.4788

Monochromacy



Original Color

17.8176, 23.9410, 36.9397

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.3983, 19.6181, 25.1127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8176, 23.9410, 36.9397 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(44, 147, 160)` looks like.

```
.text, #text, p{  
    color:rgb(44, 147, 160)  
}
```

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(44, 147, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 147, 160) }
```

Border

The CSS property to change the border of an element to XYZ 17.8176, 23.9410, 36.9397 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(44, 147, 160) }
```


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

```
.border{ border-color:rgb(44, 147, 160) }
```

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

Here you see how a box with a 4 pixel rgb(44, 147, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 147, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 147, 160);  
box-shadow:4px 4px 4px 4px rgb(44, 147,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8176, 23.9410, 36.9397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 147, 160) }
```

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

```
.background{ background-color: rgb(44, 147,  
160) }
```

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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