

Converting Colors

XYZ(17.2240, 23.7292, 38.7847)

Have a look what the booklet for
XYZ(17.2240, 23.7292, 38.7847)
contains.

XYZ(17.2907, 23.8601, 38.8161)	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(17.2907, 23.8601,
38.8161)**

Conversions

Conversions Part 1

Format	Color
Hex	0094A4
RGB	0, 148, 164
RGB Percent	0%, 58%, 64%
CMY	0.9999, 0.4196, 0.3569
CMYK	1.00, 0.10, 0.00, 0.36
HSL	186°, 100%, 32%
HSV	186°, 100%, 64%
XYZ	17.2907, 23.8601, 38.8161
YIQ	105.5720, -93.3440, -26.4000

Conversions

Conversions Part 2

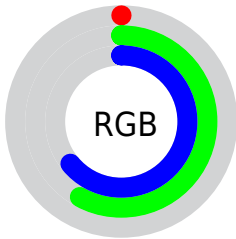
Format	Color
RYB	0, 78, 164
Decimal	38052
CIELab	55.95, -26.81, -17.76
CIELCh	56, 32.161, 213.531
Yxy	23.8601, 0.2162, 0.2984
Android (android.graphics.Color)	4278228132 (0xFF0094A4)
YUV	105.5720, 28.8050, -92.5866
Hunter-Lab	48.8468, -22.2968, -12.9220

Details

The XYZ color **17.2907, 23.8601, 38.8161** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4958, 8.2640, 0.7791**, and the grayscale version is **13.5272, 14.2317, 15.4983**.

A 20% lighter version of the original color is **38.3203, 49.6308, 74.5778**, and **7.1993, 9.7192, 16.8258** is the 20% darker color. If you saturate the color by 10%, you get **17.2907, 23.8600, 38.8165**, and if you desaturate by 10%, it is **17.7649, 24.4802, 38.9113**.

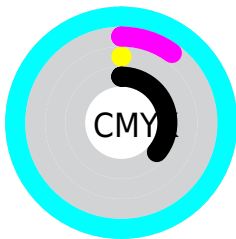
Distribution



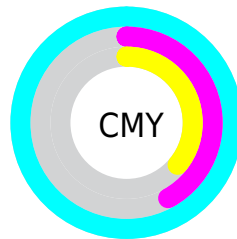
- Red (0%)
- Green (58%)
- Blue (64%)



- Red (0%)
- Yellow (31%)
- Blue (64%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (42%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2907, 23.8601, 38.8161 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 17.2907, 23.8601, 38.8161 by changing the saturation by 10% instead.

■ 17.2907, 23.8601,
38.8161

■ 17.2907, 23.8601,
38.8161

■ 229.9658,
272.1124, 356.5106

■ 10.5386, 15.2299,
26.3100

■ 38.3646, 49.8018,
74.5745

■ 5.8225, 8.9809,
16.8278

■ 53.4170, 67.8821,
98.6639

■ 2.7771, 4.7287,
9.9512

■ 71.9669, 89.8812,
127.4515

■ 1.0370, 2.0890,
5.2614

■ 94.3796, 116.1834,
161.3557

■ 0.0000, 0.6584,
2.3400

■ 121.0205,
147.1733, 200.7952

■ 0.0000, 0.0000,
0.7535

■ 152.2549,

■ 0.0000, 0.0000,

183.2352, 246.1885

0.0000

188.4482,
224.7534, 297.9541

■ 17.2907, 23.8601,
38.8161

■ 17.2907, 23.8601,
38.8161

■ 17.2907, 23.8600,
38.8165

■ 17.7649, 24.4802,
38.9113

■ 18.4218, 25.1992,
39.0154

■ 19.3374, 26.0568,
39.1327

■ 20.5448, 27.0700,
39.2646

■ 22.0718, 28.2532,
39.4125

■ 23.9433, 29.6193,
39.5776

■ 26.1815, 31.1796,
39.7608

■ 28.8067, 32.9448,
39.9631

■ 31.8378, 34.9245,
40.1855

Harmonies

Analogous

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



16.3400, 23.8601, 27.2440



17.2907, 23.8601, 38.8161



19.6767, 23.8601, 48.5906

Triad

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



17.2907, 23.8601, 38.8161



29.5987, 23.8601, 36.0668



22.2466, 23.8601, 10.5802

Complementary

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



17.2907, 23.8601, 38.8161



15.4958, 8.2640, 0.7791

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.



25.9707, 23.8601, 11.7646



17.2907, 23.8601, 38.8161



30.4745, 23.8601, 24.7549

Square

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



17.2907, 23.8601, 38.8161



26.8032, 23.8601, 46.7259



29.0828, 23.8601, 16.3401



19.0000, 23.8601, 12.5137

Rectangle

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



17.2907, 23.8601, 38.8161



21.8926, 23.8601, 51.6737



29.0828, 23.8601, 16.3401



23.4826, 23.8601, 10.6299

Sweetspot

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



17.2915, 23.8610, 38.8167



47.2687, 56.4213, 72.1514



13.3531, 26.5823, 4.8317



9.9651, 12.0801, 15.7440



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.2915, 23.8610, 38.8167



31.2996, 43.1382, 70.4292



8.7895, 6.8571, 35.9827



7.2168, 7.8926, 9.0461



13.2768, 18.3330, 29.7686



0.2949, 0.4170, 0.6308

Inverse Universe

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



20.6558, 10.0314, 28.8653



37.4492, 18.1899, 52.1653



19.4637, 16.1998, 2.1018



7.3344, 7.1902, 8.7474



15.8470, 7.6948, 22.1826



0.3410, 0.1649, 0.5083

Previews

White Background



This preview shows how the XYZ color 17.2907, 23.8601, 38.8161 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 17.2907, 23.8601, 38.8161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

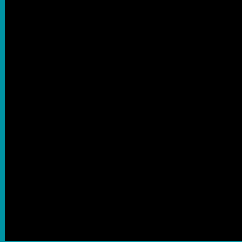
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.2907, 23.8601, 38.8161

Background



This preview shows how black text looks on a background with the XYZ color 17.2907, 23.8601, 38.8161.

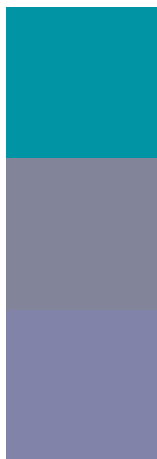


This preview shows how white text looks on a background with the XYZ color 17.2907, 23.8601,

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

17.2907, 23.8601, 38.8161

Protanopia

23.2070, 23.5483, 33.4591

Deuteranopia

24.2374, 23.7269, 40.3481



Tritanopia

16.9351, 23.7179, 36.9431

Trichromacy



Original Color

17.2907, 23.8601, 38.8161

Protanomaly

18.7416, 22.4503, 35.2438

Deuteranomaly

19.4004, 22.4752, 39.8749

Tritanomaly

17.0229, 23.7530, 37.4058

Monochromacy



Original Color

17.2907, 23.8601, 38.8161

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.9829, 16.4003, 22.5600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2907, 23.8601, 38.8161 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(0, 148, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 164)  
}
```

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(0, 148, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 164) }
```

Border

The CSS property to change the border of an element to XYZ 17.2907, 23.8601, 38.8161 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(0, 148, 164) }
```


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

```
.border{ border-color:rgb(0, 148, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2907, 23.8601, 38.8161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 164) }
```

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

```
.background{ background-color: rgb(0, 148,  
164) }
```

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