

Converting Colors

XYZ(12.6464, 23.1286, 36.1560)

Have a look what the booklet for
XYZ(12.6464, 23.1286, 36.1560)
contains.

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Color

**XYZ(17.8929, 25.9113,
36.4061)**

Conversions

Conversions Part 1

Format	Color
Hex	009B9E
RGB	0, 155, 158
RGB Percent	0%, 61%, 62%
CMY	0.9999, 0.3921, 0.3804
CMYK	1.00, 0.02, 0.00, 0.38
HSL	181°, 100%, 31%
HSV	181°, 100%, 62%
XYZ	17.8929, 25.9113, 36.4061
YIQ	108.9970, -93.3430, -31.9270

Conversions

Conversions Part 2

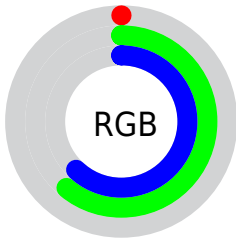
Format	Color
RYB	0, 78, 158
Decimal	39838
CIELab	57.95, -32.20, -11.31
CIELCh	58, 34.129, 199.353
Yxy	25.9113, 0.2231, 0.3230
Android (android.graphics.Color)	4278229918 (0xFF009B9E)
YUV	108.9970, 24.1585, -95.5904
Hunter-Lab	50.9031, -26.3362, -6.7722

Details

The XYZ color **17.8929, 25.9113, 36.4061** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.1338, 7.3349, 0.6716**, and the grayscale version is **14.4901, 15.2447, 16.6015**.

A 20% lighter version of the original color is **39.4705, 53.1726, 71.1338**, and **7.5041, 10.7620, 15.5917** is the 20% darker color. If you saturate the color by 10%, you get **17.8933, 25.9119, 36.4067**, and if you desaturate by 10%, it is **18.1541, 26.1207, 36.4332**.

Distribution



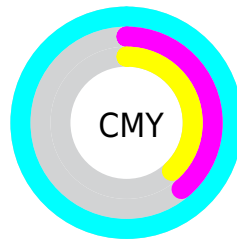
- Red (0%)
- Green (61%)
- Blue (62%)



- Red (0%)
- Yellow (31%)
- Blue (62%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (39%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8929, 25.9113, 36.4061 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 17.8929, 25.9113, 36.4061 by changing the saturation by 10% instead.

■ 17.8929, 25.9113,
36.4061

■ 17.8929, 25.9113,
36.4061

■ 233.3240,
282.3464, 345.8230

■ 10.9723, 16.7573,
24.4558

■ 39.3863, 53.1318,
70.8345

■ 6.1154, 10.0616,
15.4568

■ 54.6898, 71.9671,
94.1497

■ 2.9567, 5.4398,
8.9904

■ 73.5183, 94.7983,
122.0903

■ 1.1309, 2.5076,
4.6382

■ 96.2373, 122.0098,
155.0748

■ 0.0507, 0.8804,
1.9816

■ 123.2119,
153.9859, 193.5218

■ 0.0000, 0.0000,
0.5439

■ 154.8077,

■ 0.0000, 0.0000,

191.1111, 237.8498

0.0000

191.3899,
233.7698, 288.4774

■ 17.8929, 25.9113,
36.4061

■ 17.8929, 25.9113,
36.4061

■ 17.8933, 25.9119,
36.4067

■ 18.1541, 26.1207,
36.4332

■ 18.5776, 26.4134,
36.4674

■ 19.2357, 26.8273,
36.5126

■ 20.1585, 27.3777,
36.5702

■ 21.3712, 28.0778,
36.6414

■ 22.8965, 28.9392,
36.7273

■ 24.7546, 29.9724,
36.8288

■ 26.9640, 31.1869,
36.9468

■ 29.5421, 32.5916,
37.0820

Harmonies

Analogous

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



17.6429, 25.9113, 24.2307



17.8929, 25.9113, 36.4061



19.8260, 25.9113, 49.1295

Triad

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



17.8929, 25.9113, 36.4061



31.1307, 25.9113, 45.6934



26.1186, 25.9113, 11.2913

Complementary

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



17.8929, 25.9113, 36.4061



14.1338, 7.3349, 0.6716

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.



30.1486, 25.9113, 14.2784



17.8929, 25.9113, 36.4061



33.2490, 25.9113, 32.6093

Square

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



17.8929, 25.9113, 36.4061



27.3434, 25.9113, 55.4407



32.8708, 25.9113, 21.3517



22.0984, 25.9113, 11.7816

Rectangle

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



17.8929, 25.9113, 36.4061



21.9425, 25.9113, 55.1665



32.8708, 25.9113, 21.3517



27.5239, 25.9113, 11.8797

Sweetspot

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



17.8937, 25.9123, 36.4067



44.7324, 54.3068, 66.8681



12.2420, 24.4601, 4.1524



9.7692, 12.0684, 15.0582



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.



17.8937, 25.9123, 36.4067



32.4759, 47.0198, 66.1075



8.7827, 7.6903, 33.3697



6.8111, 7.4879, 8.4930



14.3339, 20.7593, 29.1587



0.2593, 0.3773, 0.5224

Inverse Universe

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



20.0176, 9.6364, 31.8163



36.3419, 17.4948, 57.7298



17.0916, 13.2507, 1.6576



6.8987, 6.7524, 8.3178



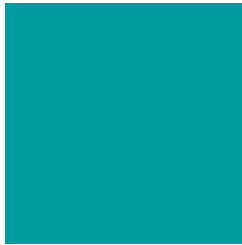
16.0333, 7.7179, 25.4901



0.2882, 0.1386, 0.4639

Previews

White Background



This preview shows how the XYZ color 17.8929, 25.9113, 36.4061 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 17.8929, 25.9113, 36.4061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

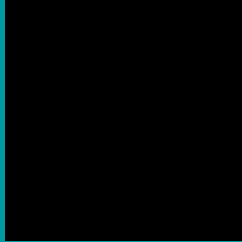
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8929, 25.9113, 36.4061

Background



This preview shows how black text looks on a background with the XYZ color 17.8929, 25.9113, 36.4061.



This preview shows how white text looks on a background with the XYZ color 17.8929, 25.9113,

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

17.8929, 25.9113, 36.4061

Protanopia

24.8362, 25.6868, 31.2528

Deuteranopia

26.0008, 25.5120, 37.7363



Tritanopia

18.8394, 26.0710, 40.1157

Trichromacy



Original Color

17.8929, 25.9113, 36.4061

Protanomaly

19.5837, 24.2556, 32.9278

Deuteranomaly

20.2258, 24.0431, 37.2930

Tritanomaly

18.3801, 25.8657, 38.6742

Monochromacy



Original Color

17.8929, 25.9113, 36.4061

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7459, 17.7192, 22.7743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8929, 25.9113, 36.4061 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, 155, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 158)  
}
```

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, 155, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 158) }
```

Border

The CSS property to change the border of an element to XYZ 17.8929, 25.9113, 36.4061 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, 155, 158) }
```


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

```
.border{ border-color:rgb(0, 155, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8929, 25.9113, 36.4061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 158) }
```

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

```
.background{ background-color: rgb(0, 155,  
158) }
```

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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