

Converting Colors

XYZ(17.5973, 23.2946, 30.1818)

Have a look what the booklet for
XYZ(17.5973, 23.2946, 30.1818)
contains.

XYZ(17.6099, 23.2929, 30.3559)	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(17.6099, 23.2929,
30.3559)**

Conversions

Conversions Part 1

Format	Color
Hex	469091
RGB	70, 144, 145
RGB Percent	27%, 56%, 57%
CMY	0.7255, 0.4353, 0.4314
CMYK	0.52, 0.01, 0.00, 0.43
HSL	181°, 35%, 42%
HSV	181°, 52%, 57%
XYZ	17.6099, 23.2929, 30.3559
YIQ	121.9880, -44.4250, -15.3770

Conversions

Conversions Part 2

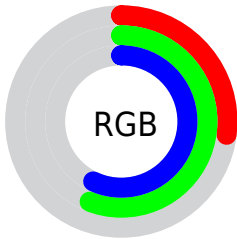
Format	Color
R_{YB}	70, 107, 145
Decimal	4624529
CIE _{Lab}	55.37, -22.60, -7.60
CIE _{LCh}	55, 23.842, 198.583
Yxy	23.2929, 0.2471, 0.3269
Android (android.graphics.Color)	4282814609 (0xFF469091)
YUV	121.9880, 11.3449, -45.5935
Hunter-Lab	48.2627, -19.3294, -3.5078

Details

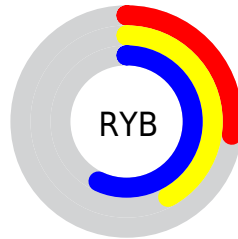
The XYZ color **17.6099, 23.2929, 30.3559** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.0363, 10.9689, 7.1198**, and the grayscale version is **18.4699, 19.4318, 21.1612**.

A 20% lighter version of the original color is **38.9603, 48.8717, 61.4126**, and **5.9799, 8.6549, 12.1819** is the 20% darker color. If you saturate the color by 10%, you get **16.6586, 22.7596, 30.3035**, and if you desaturate by 10%, it is **18.8152, 23.9583, 30.4212**.

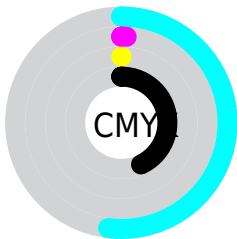
Distribution



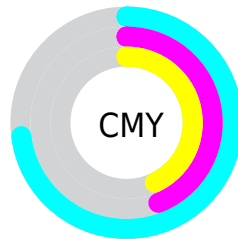
- Red (27%)
- Green (56%)
- Blue (57%)



- Red (27%)
- Yellow (42%)
- Blue (57%)



- Cyan (52%)
- Magenta (1%)
- Yellow (0%)
- Black (43%)



- Cyan (73%)
- Magenta (44%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6099, 23.2929, 30.3559 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 17.6099, 23.2929, 30.3559 by changing the saturation by 10% instead.

■ 17.6099, 23.2929,
30.3559

■ 17.6099, 23.2929,
30.3559

231.7513,
269.2258, 317.8187

■ 10.7683, 14.8099,
19.8545

■ 38.9068, 48.8738,
61.2922

■ 5.9774, 8.6861,
12.1063

■ 54.0928, 66.7406,
82.5642

■ 2.8719, 4.5370,
6.6927

■ 72.7909, 88.5040,
108.2636

■ 1.0864, 1.9783,
3.1952

■ 95.3665, 114.5486,
138.8087

■ 0.0137, 0.5948,
1.1951

■ 122.1850,
145.2587, 174.6183

■ 0.0000, 0.0000,
0.0000

153.6118,

181.0186, 216.1108

190.0121,
222.2129, 263.7047

■ 17.6099, 23.2929,
30.3559

■ 17.6099, 23.2929,
30.3559

■ 16.6586, 22.7596,
30.3035

■ 18.8152, 23.9583,
30.4212

■ 15.9407, 22.3462,
30.2616

■ 20.2892, 24.7617,
30.4986

■ 15.4360, 22.0428,
30.2296

■ 22.0476, 25.7118,
30.5893

■ 15.1196, 21.8365,
30.2065

■ 24.1047, 26.8159,
30.6940

■ 14.9439, 21.7103,
30.1914

■ 26.4735, 28.0808,
30.8133

■ 29.1665, 29.5130,
30.9478

■ 32.1953, 31.1183,
31.0980

■ 35.5710, 32.9025,
31.2645

■ 39.3044, 34.8712,
31.4477

Harmonies

Analogous

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



17.4673, 23.2929, 22.5545



17.6099, 23.2929, 30.3559



18.9057, 23.2929, 38.1009

Triad

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



17.6099, 23.2929, 30.3559



26.2279, 23.2929, 36.4172



23.1738, 23.2929, 13.4827

Complementary

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



17.6099, 23.2929, 30.3559



15.0363, 10.9689, 7.1198

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.



25.7219, 23.2929, 15.8355



17.6099, 23.2929, 30.3559



27.5776, 23.2929, 28.3933

Square

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



17.6099, 23.2929, 30.3559



23.8204, 23.2929, 42.0580



27.3853, 23.2929, 20.9482



20.5390, 23.2929, 13.7981

Rectangle

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



17.6099, 23.2929, 30.3559



20.3124, 23.2929, 41.7097



27.3853, 23.2929, 20.9482



24.0724, 23.2929, 13.9649

Sweetspot

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



17.6106, 23.2938, 30.3564



41.4004, 47.0757, 54.8780



13.7573, 21.9956, 9.3155



9.0630, 10.3936, 12.2007



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.6106, 23.2938, 30.3564



29.6038, 40.6284, 54.2553



12.9473, 13.9671, 28.8020



5.5542, 6.1042, 6.9142



12.8193, 18.6246, 25.8963



0.1238, 0.1806, 0.2480

Inverse Universe

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



18.9019, 12.4144, 27.7864



32.1952, 18.9712, 49.0583



18.0931, 17.0826, 8.1387



5.6232, 5.5098, 6.7798



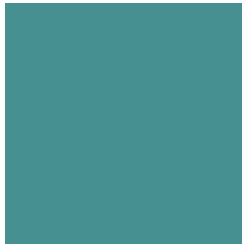
14.2737, 6.8665, 22.8904



0.1371, 0.0659, 0.2222

Previews

White Background



This preview shows how the XYZ color 17.6099, 23.2929, 30.3559 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 17.6099, 23.2929, 30.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

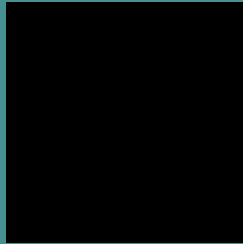
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6099, 23.2929, 30.3559

Background



This preview shows how black text looks on a background with the XYZ color 17.6099, 23.2929, 30.3559.

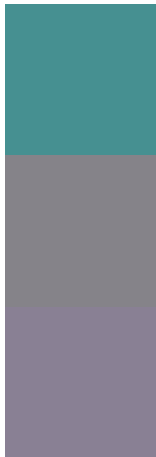


This preview shows how white text looks on a background with the XYZ color 17.6099, 23.2929,

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

17.6099, 23.2929, 30.3559

Protanopia

22.3045, 23.0253, 26.9357

Deuteranopia

23.3810, 22.8948, 31.2038



Tritanopia

18.4028, 23.3945, 34.1175

Trichromacy



Original Color

17.6099, 23.2929, 30.3559

Protanomaly

19.9682, 22.8168, 28.1626

Deuteranomaly

20.6016, 22.6675, 30.8932

Tritanomaly

18.0809, 23.2570, 32.8142

Monochromacy



Original Color

17.6099, 23.2929, 30.3559

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.6054, 20.4605, 24.1405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6099, 23.2929, 30.3559 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(70, 144, 145)` looks like.

```
.text, #text, p{  
    color:rgb(70, 144, 145)  
}
```

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(70, 144, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 144, 145) }
```

Border

The CSS property to change the border of an element to XYZ 17.6099, 23.2929, 30.3559 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(70, 144, 145) }
```


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

```
.border{ border-color:rgb(70, 144, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 144, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 144, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 144, 145);  
box-shadow:4px 4px 4px 4px rgb(70, 144,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6099, 23.2929, 30.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 144, 145) }
```

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

```
.background{ background-color: rgb(70, 144,  
145) }
```

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