

Converting Colors

XYZ(17.4697, 23.5024, 35.2460)

Have a look what the booklet for
XYZ(17.4697, 23.5024, 35.2460)
contains.

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Color

**XYZ(17.4986, 23.5864,
35.0829)**

Conversions

Conversions Part 1

Format	Color
Hex	30929C
RGB	48, 146, 156
RGB Percent	19%, 57%, 61%
CMY	0.8117, 0.4274, 0.3882
CMYK	0.69, 0.06, 0.00, 0.39
HSL	186°, 53%, 40%
HSV	186°, 69%, 61%
XYZ	17.4986, 23.5864, 35.0829
YIQ	117.8380, -61.6180, -17.6660

Conversions

Conversions Part 2

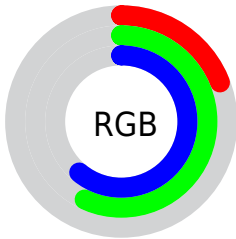
Format	Color
RYB	48, 99, 156
Decimal	3183260
CIELab	55.67, -24.49, -13.54
CIELCh	56, 27.982, 208.941
Yxy	23.5864, 0.2297, 0.3097
Android (android.graphics.Color)	4281373340 (0xFF30929C)
YUV	117.8380, 18.8139, -61.2479
Hunter-Lab	48.5658, -20.6754, -8.8337

Details

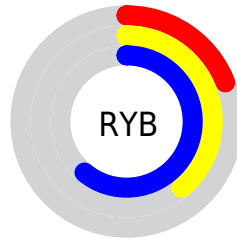
The XYZ color **17.4986, 23.5864, 35.0829** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.7576, 10.3083, 3.9564**, and the grayscale version is **17.1271, 18.0190, 19.6227**.

A 20% lighter version of the original color is **38.5938, 49.2129, 68.4377**, and **6.6420, 9.2043, 14.7911** is the 20% darker color. If you saturate the color by 10%, you get **16.6672, 22.8298, 34.9811**, and if you desaturate by 10%, it is **18.5931, 24.4838, 35.1989**.

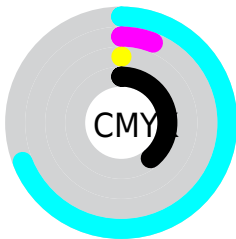
Distribution



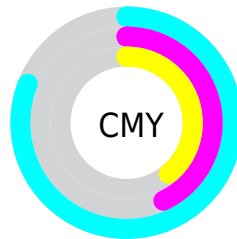
- Red (19%)
- Green (57%)
- Blue (61%)



- Red (19%)
- Yellow (39%)
- Blue (61%)



- Cyan (69%)
- Magenta (6%)
- Yellow (0%)
- Black (39%)



- Cyan (81%)
- Magenta (43%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4986, 23.5864, 35.0829 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 17.4986, 23.5864, 35.0829 by changing the saturation by 10% instead.

■ 17.4986, 23.5864,
35.0829

■ 17.4986, 23.5864,
35.0829

231.1302,
270.7227, 339.8495

■ 10.6881, 15.0271,
23.4427

■ 38.7179, 49.3544,
68.7672

■ 5.9233, 8.8384,
14.7124

■ 53.8574, 67.3319,
91.6484

■ 2.8387, 4.6359,
8.4734

■ 72.5040, 89.2176,
119.1136

■ 1.0690, 2.0353,
4.3072

■ 95.0230, 115.3959,
151.5814

■ 0.0000, 0.6278,
1.7954

■ 121.7797,
146.2511, 189.4704

■ 0.0000, 0.0000,
0.4249

153.1396,

■ 0.0000, 0.0000,

182.1678, 233.1990

0.0000

189.4680,
223.5302, 283.1858

■ 17.4986, 23.5864,
35.0829

■ 17.4986, 23.5864,
35.0829

■ 16.6672, 22.8298,
34.9811

■ 18.5931, 24.4838,
35.1989

■ 16.0680, 22.1966,
34.8905

■ 19.9728, 25.5319,
35.3285

■ 15.6397, 21.6557,
34.8086

■ 21.6602, 26.7428,
35.4732

■ 15.6080, 21.6147,
34.8024

■ 23.6747, 28.1266,
35.6342

■ 26.0343, 29.6925,
35.8121

■ 28.7554, 31.4491,
36.0077

■ 31.8537, 33.4043,
36.2218

■ 35.3437, 35.5658,
36.4551

■ 39.2393, 37.9406,
36.7081

Harmonies

Analogous

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



16.8624, 23.5864, 25.3605



17.4986, 23.5864, 35.0829



19.4199, 23.5864, 43.7132

Triad

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



17.4986, 23.5864, 35.0829



28.0519, 23.5864, 35.7749



22.5309, 23.5864, 11.8895

Complementary

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



17.4986, 23.5864, 35.0829



15.7576, 10.3083, 3.9564

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.



25.7101, 23.5864, 13.4481



17.4986, 23.5864, 35.0829



29.0771, 23.5864, 26.0053

Square

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



17.4986, 23.5864, 35.0829



25.4971, 23.5864, 44.1744



28.1829, 23.5864, 18.1305



19.5976, 23.5864, 13.2397

Rectangle

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



17.4986, 23.5864, 35.0829



21.2699, 23.5864, 46.8909



28.1829, 23.5864, 18.1305



23.6071, 23.5864, 12.0827

Sweetspot

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



17.4993, 23.5873, 35.0835



46.2913, 53.2774, 64.9705



13.8467, 24.7014, 7.9099



9.9413, 11.5616, 14.2780



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.4993, 23.5873, 35.0835



29.6336, 40.8158, 63.4431



11.1350, 10.8585, 32.9620



6.7693, 7.4044, 8.4791



12.8694, 17.8303, 28.6705



0.2439, 0.3463, 0.5172

Inverse Universe

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



19.9563, 11.2580, 28.3161



34.6054, 17.6655, 49.3453



19.9291, 18.6513, 5.3469



6.8777, 6.7440, 8.2069



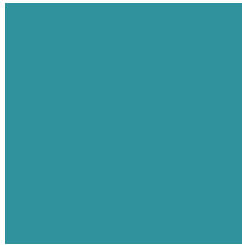
15.2941, 7.4222, 21.5974



0.2804, 0.1355, 0.4227

Previews

White Background



This preview shows how the XYZ color 17.4986, 23.5864, 35.0829 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 17.4986, 23.5864, 35.0829 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 17.4986, 23.5864, 35.0829

Background



This preview shows how black text looks on a background with the XYZ color 17.4986, 23.5864, 35.0829.

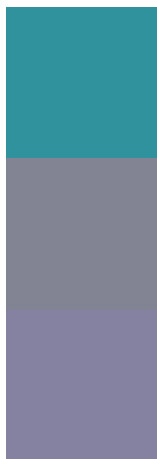


This preview shows how white text looks on a background with the XYZ color 17.4986, 23.5864,

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

17.4986, 23.5864, 35.0829

Protanopia

22.8778, 23.4344, 30.9213

Deuteranopia

23.8435, 23.4089, 36.5194



Tritanopia

17.7171, 23.6794, 35.9845

Trichromacy



Original Color

17.4986, 23.5864, 35.0829

Protanomaly

19.8175, 22.8600, 32.2221

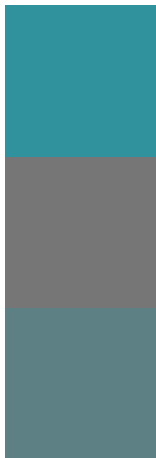
Deuteranomaly

20.4290, 22.8782, 36.1401

Tritanomaly

17.6313, 23.6451, 35.5330

Monochromacy



Original Color

17.4986, 23.5864, 35.0829

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.3982, 19.4314, 24.7162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4986, 23.5864, 35.0829 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(48, 146, 156)` looks like.

```
.text, #text, p{  
    color:rgb(48, 146, 156)  
}
```

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(48, 146, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 146, 156) }
```

Border

The CSS property to change the border of an element to XYZ 17.4986, 23.5864, 35.0829 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(48, 146, 156) }
```


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

```
.border{ border-color:rgb(48, 146, 156) }
```

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

Here you see how a box with a 4 pixel rgb(48, 146, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 146, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 146, 156);  
box-shadow:4px 4px 4px 4px rgb(48, 146,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4986, 23.5864, 35.0829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 146, 156) }
```

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

```
.background{ background-color: rgb(48, 146,  
156) }
```

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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