

Converting Colors

XYZ(14.9432, 16.7637, 39.0081)

Have a look what the booklet for
XYZ(14.9432, 16.7637, 39.0081)
contains.

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Color

**XYZ(14.8873, 16.6618,
38.9906)**

Conversions

Conversions Part 1

Format	Color
Hex	3277A7
RGB	50, 119, 167
RGB Percent	20%, 47%, 65%
CMY	0.8039, 0.5333, 0.3451
CMYK	0.70, 0.29, 0.00, 0.35
HSL	205°, 54%, 43%
HSV	205°, 70%, 65%
XYZ	14.8873, 16.6618, 38.9906
YIQ	103.8410, -56.5320, 0.3000

Conversions

Conversions Part 2

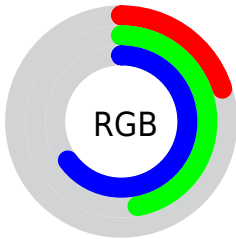
Format	Color
RYB	50, 93, 167
Decimal	3307431
CIELab	47.83, -5.61, -31.97
CIELCh	48, 32.460, 260.046
Yxy	16.6618, 0.2110, 0.2362
Android (android.graphics.Color)	4281497511 (0xFF3277A7)
YUV	103.8410, 31.1374, -47.2186
Hunter-Lab	40.8189, -6.3312, -28.0612

Details

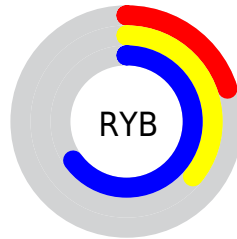
The XYZ color **14.8873, 16.6618, 38.9906** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.8807, 17.1826, 5.2345**, and the grayscale version is **13.0467, 13.7262, 14.9478**.

A 20% lighter version of the original color is **34.1781, 37.7147, 74.5855**, and **5.3478, 5.7443, 17.0466** is the 20% darker color. If you saturate the color by 10%, you get **13.4229, 14.7399, 38.6972**, and if you desaturate by 10%, it is **16.7120, 18.8572, 39.3185**.

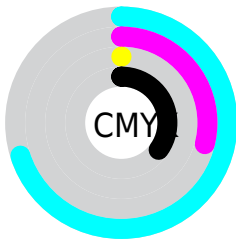
Distribution



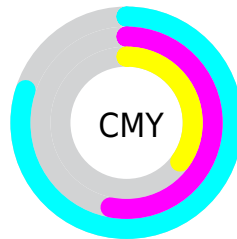
- Red (20%)
- Green (47%)
- Blue (65%)



- Red (20%)
- Yellow (36%)
- Blue (65%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (35%)



- Cyan (80%)
- Magenta (53%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8873, 16.6618, 38.9906 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 14.8873, 16.6618, 38.9906 by changing the saturation by 10% instead.

■ 14.8873, 16.6618,
38.9906

■ 14.8873, 16.6618,
38.9906

216.0850,
233.2158, 357.2753

■ 8.8261, 9.9937,
26.4446

■ 34.2286, 37.7434,
74.8441

■ 4.6841, 5.3948,
16.9278

■ 48.2395, 52.9256,
98.9888

■ 2.0960, 2.4807,
10.0216

■ 65.6310, 71.7146,
127.8368

■ 0.6870, 0.8669,
5.3075

■ 86.7684, 94.4949,
161.8066

■ 0.0000, 0.0000,
2.3669

■ 112.0172,
121.6507, 201.3168

■ 0.0000, 0.0000,
0.7683

141.7426,

■ 0.0000, 0.0000,

153.5666, 246.7860

0.0000

176.3101,
190.6268, 298.6326

■ 14.8873, 16.6618,
38.9906

■ 14.8873, 16.6618,
38.9906

■ 13.4229, 14.7399,
38.6972

■ 16.7120, 18.8572,
39.3185

■ 12.2813, 13.0697,
38.4349

■ 18.9257, 21.3420,
39.6815

■ 11.3883, 11.6164,
38.2015

■ 21.5560, 24.1323,
40.0814

■ 24.6274, 27.2425,
40.5199

■ 28.1622, 30.6856,
40.9981

■ 32.1813, 34.4740,
41.5176

■ 36.7040, 38.6194,
42.0793

■ 41.7488, 43.1325,
42.6845

■ 47.3331, 48.0240,
43.3344

Harmonies

Analogous

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



12.5029, 16.6618, 33.4389



14.8873, 16.6618, 38.9906



17.8366, 16.6618, 37.7860

Triad

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



14.8873, 16.6618, 38.9906



21.7072, 16.6618, 13.1770



11.9168, 16.6618, 9.6626

Complementary

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



14.8873, 16.6618, 38.9906



20.8807, 17.1826, 5.2345

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.



13.9919, 16.6618, 6.8543



14.8873, 16.6618, 38.9906



19.7155, 16.6618, 8.4091

Square

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



14.8873, 16.6618, 38.9906



22.0236, 16.6618, 21.0605



16.8253, 16.6618, 6.4794



10.9325, 16.6618, 15.5062

Rectangle

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



14.8873, 16.6618, 38.9906



19.7235, 16.6618, 33.4139



16.8253, 16.6618, 6.4794



12.4970, 16.6618, 8.4190

Sweetspot

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



14.8879, 16.6624, 38.9910



49.5485, 54.1034, 73.3068



17.2832, 29.1754, 15.9822



10.7013, 11.7337, 16.3530



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.8879, 16.6624, 38.9910



22.8549, 24.7098, 69.0402



9.9976, 6.8818, 37.3609



7.4856, 8.0081, 9.5695



8.7634, 8.9871, 29.2483



0.2617, 0.3156, 0.7278

Inverse Universe

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



20.4073, 11.8294, 18.6610



34.0190, 17.8513, 27.2640



28.2840, 31.9891, 7.7023



7.7097, 7.6137, 8.7885



13.9240, 6.9783, 9.6772



0.3632, 0.1796, 0.3643

Previews

White Background



This preview shows how the XYZ color 14.8873, 16.6618, 38.9906 looks on a white 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

Black Background



This preview shows how the XYZ color 14.8873, 16.6618, 38.9906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

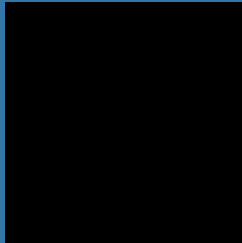
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.8873, 16.6618, 38.9906

Background



This preview shows how black text looks on a background with the XYZ color 14.8873, 16.6618, 38.9906.

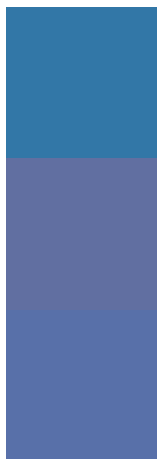


This preview shows how white text looks on a background with the XYZ color 14.8873, 16.6618,

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

14.8873, 16.6618, 38.9906

Protanopia

17.0472, 16.4835, 36.0014

Deuteranopia

16.9801, 16.5276, 39.8313



Tritanopia

12.1328, 16.6361, 25.4933

Trichromacy



Original Color

14.8873, 16.6618, 38.9906

Protanomaly

15.9364, 16.3844, 36.9729

Deuteranomaly

16.0227, 16.5445, 39.3947

Tritanomaly

13.0426, 16.6298, 30.1262

Monochromacy



Original Color

14.8873, 16.6618, 38.9906

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9556, 14.3544, 22.1665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8873, 16.6618, 38.9906 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(50, 119, 167)` looks like.

```
.text, #text, p{  
    color:rgb(50, 119, 167)  
}
```

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(50, 119, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 119, 167) }
```

Border

The CSS property to change the border of an element to XYZ 14.8873, 16.6618, 38.9906 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(50, 119, 167) }
```


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

```
.border{ border-color:rgb(50, 119, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 119, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 119, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 119, 167);  
box-shadow:4px 4px 4px 4px rgb(50, 119,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8873, 16.6618, 38.9906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 119, 167) }
```

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

```
.background{ background-color: rgb(50, 119,  
167) }
```

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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