

Converting Colors

XYZ(14.7029, 16.5884, 38.0292)

Have a look what the booklet for
XYZ(14.7029, 16.5884, 38.0292)
contains.

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Color

**XYZ(14.7037, 16.5884,
38.0242)**

Conversions

Conversions Part 1

Format	Color
Hex	3277A5
RGB	50, 119, 165
RGB Percent	20%, 47%, 65%
CMY	0.8039, 0.5333, 0.3529
CMYK	0.70, 0.28, 0.00, 0.35
HSL	204°, 53%, 42%
HSV	204°, 70%, 65%
XYZ	14.7037, 16.5884, 38.0242
YIQ	103.6130, -55.8900, -0.3220

Conversions

Conversions Part 2

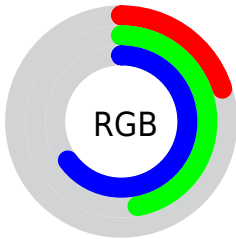
Format	Color
RYB	50, 93, 165
Decimal	3307429
CIELab	47.74, -6.32, -30.95
CIELCh	48, 31.588, 258.461
Yxy	16.5884, 0.2121, 0.2393
Android (android.graphics.Color)	4281497509 (0xFF3277A5)
YUV	103.6130, 30.2638, -47.0186
Hunter-Lab	40.7289, -6.8345, -26.8426

Details

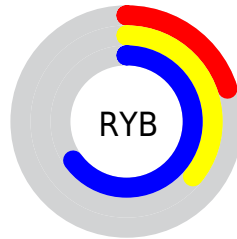
The XYZ color **14.7037, 16.5884, 38.0242** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.2763, 16.5963, 5.1530**, and the grayscale version is **12.9881, 13.6645, 14.8806**.

A 20% lighter version of the original color is **33.9116, 37.6081, 73.1819**, and **5.2339, 5.6987, 16.4469** is the 20% darker color. If you saturate the color by 10%, you get **13.2737, 14.7256, 37.7403**, and if you desaturate by 10%, it is **16.4826, 18.7126, 38.3408**.

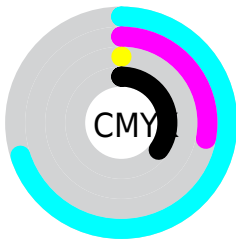
Distribution



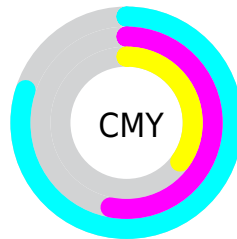
- Red (20%)
- Green (47%)
- Blue (65%)



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



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (35%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7037, 16.5884, 38.0242 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 14.7037, 16.5884, 38.0242 by changing the saturation by 10% instead.

■ 14.7037, 16.5884,
38.0242

■ 14.7037, 16.5884,
38.0242

214.9898,
232.7892, 353.0251

■ 8.6967, 9.9415,
25.6995

■ 33.9085, 37.6167,
73.3491

■ 4.5994, 5.3602,
16.3752

■ 47.8369, 52.7669,
97.1863

■ 2.0465, 2.4601,
9.6328

■ 65.1366, 71.5203,
125.6981

■ 0.6599, 0.8566,
5.0538

■ 86.1727, 94.2613,
159.3031

■ 0.0000, 0.0000,
2.2196

■ 111.3108,
121.3743, 198.4197

■ 0.0000, 0.0000,
0.6856

140.9161,

■ 0.0000, 0.0000,

153.2436, 243.4666

0.0000

175.3540,
190.2538, 294.8622

■ 14.7037, 16.5884,
38.0242

■ 14.7037, 16.5884,
38.0242

■ 13.2737, 14.7256,
37.7403

■ 16.4826, 18.7126,
38.3408

■ 12.1565, 13.1031,
37.4861

■ 18.6381, 21.1133,
38.6906

■ 11.2789, 11.6818,
37.2580

■ 21.1966, 23.8059,
39.0754

■ 11.2534, 11.6402,
37.2513

■ 24.1818, 26.8040,
39.4968

■ 27.6152, 30.1203,
39.9559

■ 31.5170, 33.7666,
40.4541

■ 35.9058, 37.7538,
40.9924

■ 40.7994, 42.0925,
41.5719

■ 46.2146, 46.7927,
42.1937

Harmonies

Analogous

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



12.4283, 16.5884, 32.4086



14.7037, 16.5884, 38.0242



17.5524, 16.5884, 37.2303

Triad

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



14.7037, 16.5884, 38.0242



21.5085, 16.5884, 13.5651



12.0363, 16.5884, 9.5770

Complementary

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



14.7037, 16.5884, 38.0242



20.2763, 16.5963, 5.1530

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.



14.1066, 16.5884, 6.9500



14.7037, 16.5884, 38.0242



19.6552, 16.5884, 8.7320

Square

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



14.7037, 16.5884, 38.0242



21.7182, 16.5884, 21.3602



16.8799, 16.5884, 6.6957



11.0159, 16.5884, 15.1220

Rectangle

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



14.7037, 16.5884, 38.0242



19.3971, 16.5884, 33.2092



16.8799, 16.5884, 6.6957



12.6203, 16.5884, 8.4049

Sweetspot

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



14.7043, 16.5890, 38.0246



48.3588, 52.8977, 71.4138



16.8824, 28.4333, 15.6656



10.2134, 11.2204, 15.5650



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.



14.7043, 16.5890, 38.0246



22.5388, 24.6238, 67.3173



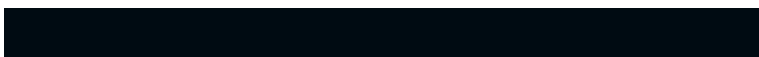
9.8031, 6.7865, 36.3909



7.0372, 7.5335, 8.9863



8.5630, 8.9054, 28.1974



0.2243, 0.2759, 0.6073

Inverse Universe

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



19.9879, 11.6130, 18.6414



33.2694, 17.4458, 27.2948



27.5665, 31.1766, 7.5830



7.2438, 7.1540, 8.2701



13.4677, 6.7431, 9.6534



0.3054, 0.1507, 0.3209

Previews

White Background



This preview shows how the XYZ color 14.7037, 16.5884, 38.0242 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 14.7037, 16.5884, 38.0242 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

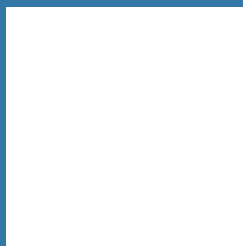
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7037, 16.5884, 38.0242

Background



This preview shows how black text looks on a background with the XYZ color 14.7037, 16.5884, 38.0242.

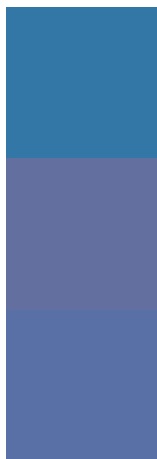


This preview shows how white text looks on a background with the XYZ color 14.7037, 16.5884,

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

14.7037, 16.5884, 38.0242

Protanopia

16.9795, 16.4688, 35.0848

Deuteranopia

16.8890, 16.5022, 38.8543



Tritanopia

12.1857, 16.6634, 25.4958

Trichromacy



Original Color

14.7037, 16.5884, 38.0242

Protanomaly

15.8437, 16.3572, 36.0404

Deuteranomaly

15.9153, 16.5105, 38.4244

Tritanomaly

12.9988, 16.6163, 29.7163

Monochromacy



Original Color

14.7037, 16.5884, 38.0242

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8907, 14.3285, 21.8249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7037, 16.5884, 38.0242 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(50, 119, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 119, 165) }
```

Border

The CSS property to change the border of an element to XYZ 14.7037, 16.5884, 38.0242 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, 165) }
```


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

```
.border{ border-color:rgb(50, 119, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 119, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 119, 165);  
box-shadow:4px 4px 4px 4px rgb(50, 119,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7037, 16.5884, 38.0242 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, 165) }
```

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

```
.background{ background-color: rgb(50, 119,  
165) }
```

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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