

Converting Colors

XYZ(14.1439, 16.1653, 37.4638)

Have a look what the booklet for
XYZ(14.1439, 16.1653, 37.4638)
contains.

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Color

**XYZ(14.1341, 16.1294,
37.4903)**

Conversions

Conversions Part 1

Format	Color
Hex	2A76A4
RGB	42, 118, 164
RGB Percent	16%, 46%, 64%
CMY	0.8353, 0.5372, 0.3569
CMYK	0.74, 0.28, 0.00, 0.36
HSL	203°, 59%, 40%
HSV	203°, 74%, 64%
XYZ	14.1341, 16.1294, 37.4903
YIQ	100.5200, -60.0620, -1.8060

Conversions

Conversions Part 2

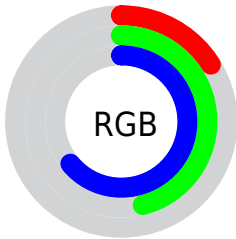
Format	Color
RYB	42, 89, 164
Decimal	2782884
CIELab	47.14, -7.27, -31.31
CIELCh	47, 32.144, 256.923
Yxy	16.1294, 0.2086, 0.2381
Android (android.graphics.Color)	4280972964 (0xFF2A76A4)
YUV	100.5200, 31.2956, -51.3220
Hunter-Lab	40.1614, -7.4626, -27.2336

Details

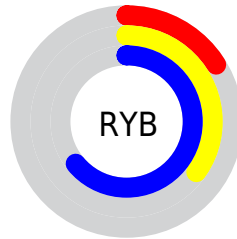
The XYZ color **14.1341, 16.1294, 37.4903** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.2184, 15.0406, 4.0815**, and the grayscale version is **12.1802, 12.8145, 13.9550**.

A 20% lighter version of the original color is **32.8698, 36.8070, 72.3899**, and **5.1148, 5.5502, 16.1309** is the 20% darker color. If you saturate the color by 10%, you get **12.8910, 14.4429, 37.2306**, and if you desaturate by 10%, it is **15.7006, 18.0540, 37.7795**.

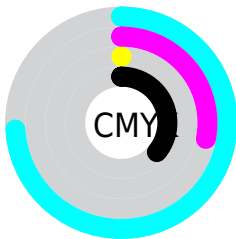
Distribution



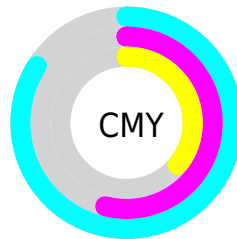
- Red (16%)
- Green (46%)
- Blue (64%)



- Red (16%)
- Yellow (35%)
- Blue (64%)



- Cyan (74%)
- Magenta (28%)
- Yellow (0%)
- Black (36%)



- Cyan (84%)
- Magenta (54%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1341, 16.1294, 37.4903 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 14.1341, 16.1294, 37.4903 by changing the saturation by 10% instead.

■ 14.1341, 16.1294,
37.4903

■ 14.1341, 16.1294,
37.4903

■ 211.5574,
230.1041, 350.6608

■ 8.2963, 9.6158,
25.2886

■ 32.9111, 36.8227,
72.5210

■ 4.3385, 5.1450,
16.0712

■ 46.5809, 51.7712,
96.1870

■ 1.8954, 2.3326,
9.4197

■ 63.5923, 70.3000,
124.5115

■ 0.5741, 0.7909,
4.9154

■ 84.3103, 92.7937,
157.9131

■ 0.0000, 0.0000,
2.1398

■ 109.1005,
119.6365, 196.8103

■ 0.0000, 0.0000,
0.6393

■ 138.3282,

■ 0.0000, 0.0000,

151.2129, 241.6216

0.0000

172.3587,
187.9073, 292.7656

■ 14.1341, 16.1294,
37.4903

■ 14.1341, 16.1294,
37.4903

■ 12.8910, 14.4429,
37.2306

■ 15.7006, 18.0540,
37.7795

■ 11.9325, 12.9724,
36.9973

■ 17.6194, 20.2322,
38.0988

■ 11.4681, 12.2148,
36.8756

■ 19.9182, 22.6797,
38.4501

■ 22.6208, 25.4101,
38.8347

■ 25.7493, 28.4360,
39.2539

■ 29.3240, 31.7691,
39.7088

■ 33.3637, 35.4201,
40.2006

■ 37.8863, 39.3995,
40.7303

■ 42.9085, 43.7169,
41.2990

Harmonies

Analogous

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



11.9120, 16.1294, 31.5515



14.1341, 16.1294, 37.4903



16.9666, 16.1294, 37.0441

Triad

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



14.1341, 16.1294, 37.4903



21.1362, 16.1294, 13.4120



11.6954, 16.1294, 8.9362

Complementary

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



14.1341, 16.1294, 37.4903



19.2184, 15.0406, 4.0815

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.



13.8031, 16.1294, 6.4879



14.1341, 16.1294, 37.4903



19.3475, 16.1294, 8.4739

Square

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



14.1341, 16.1294, 37.4903



21.2533, 16.1294, 21.3222



16.5926, 16.1294, 6.3497



10.6250, 16.1294, 14.2724

Rectangle

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



14.1341, 16.1294, 37.4903



18.8305, 16.1294, 33.1646



16.5926, 16.1294, 6.3497



12.2935, 16.1294, 7.8306

Sweetspot

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



14.1347, 16.1300, 37.4907



47.9529, 52.7636, 71.4093



15.9404, 27.7275, 13.4728



10.1426, 11.2125, 15.5672



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.



14.1347, 16.1300, 37.4907



22.2497, 24.4944, 67.3075



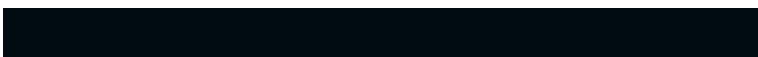
9.1830, 6.2266, 35.8401



7.0506, 7.5603, 8.9907



8.8400, 9.4594, 28.2897



0.2290, 0.2853, 0.6088

Inverse Universe

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



19.4083, 10.8572, 18.2126



33.0139, 16.9241, 27.2426



26.2765, 29.1566, 6.4342



7.2505, 7.1567, 8.3057



13.6075, 6.7991, 10.3896



0.3078, 0.1516, 0.3333

Previews

White Background



This preview shows how the XYZ color 14.1341, 16.1294, 37.4903 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 14.1341, 16.1294, 37.4903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

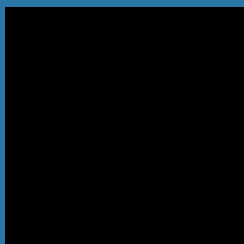
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

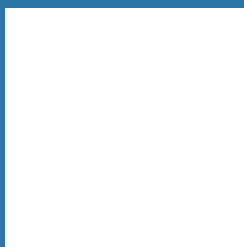
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.1341, 16.1294, 37.4903

Background



This preview shows how black text looks on a background with the XYZ color 14.1341, 16.1294, 37.4903.

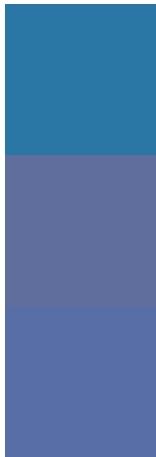


This preview shows how white text looks on a background with the XYZ color 14.1341, 16.1294,

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

14.1341, 16.1294, 37.4903

Protanopia

16.4856, 16.0730, 34.1318

Deuteranopia

16.4979, 16.1483, 38.3238



Tritanopia

11.5107, 16.1365, 25.0622

Trichromacy



Original Color

14.1341, 16.1294, 37.4903

Protanomaly

15.2308, 15.8848, 35.5210

Deuteranomaly

15.4074, 16.0908, 37.8911

Tritanomaly

12.2674, 16.0650, 29.2424

Monochromacy



Original Color

14.1341, 16.1294, 37.4903

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2041, 13.6761, 21.0653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1341, 16.1294, 37.4903 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(42, 118, 164)` looks like.

```
.text, #text, p{  
    color:rgb(42, 118, 164)  
}
```

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(42, 118, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 118, 164) }
```

Border

The CSS property to change the border of an element to XYZ 14.1341, 16.1294, 37.4903 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(42, 118, 164) }
```


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

```
.border{ border-color:rgb(42, 118, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 118, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 118, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 118, 164);  
box-shadow:4px 4px 4px 4px rgb(42, 118,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1341, 16.1294, 37.4903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 118, 164) }
```

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

```
.background{ background-color: rgb(42, 118,  
164) }
```

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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