

Converting Colors

XYZ(15.0397, 17.5487, 37.4735)

Have a look what the booklet for
XYZ(15.0397, 17.5487, 37.4735)
contains.

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Color

**XYZ(14.9604, 17.4632,
37.2326)**

Conversions

Conversions Part 1

Format	Color
Hex	317BA3
RGB	49, 123, 163
RGB Percent	19%, 48%, 64%
CMY	0.8078, 0.5176, 0.3608
CMYK	0.70, 0.25, 0.00, 0.36
HSL	201°, 54%, 42%
HSV	201°, 70%, 64%
XYZ	14.9604, 17.4632, 37.2326
YIQ	105.4340, -56.9440, -3.2480

Conversions

Conversions Part 2

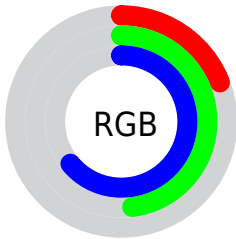
Format	Color
R _{YB}	49, 94, 163
Decimal	3242915
CIE Lab	48.84, -9.51, -28.07
CIE LCh	49, 29.635, 251.277
Yxy	17.4632, 0.2148, 0.2507
Android (android.graphics.Color)	4281432995 (0xFF317BA3)
YUV	105.4340, 28.3800, -49.4926
Hunter-Lab	41.7890, -9.2280, -23.5731

Details

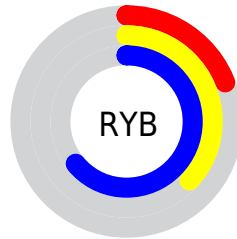
The XYZ color **14.9604, 17.4632, 37.2326** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.2318, 15.1541, 4.8178**, and the grayscale version is **13.4821, 14.1842, 15.4466**.

A 20% lighter version of the original color is **34.2915, 38.9731, 72.0449**, and **5.3180, 6.0453, 15.9255** is the 20% darker color. If you saturate the color by 10%, you get **13.6230, 15.7513, 36.9730**, and if you desaturate by 10%, it is **16.6248, 19.4058, 37.5202**.

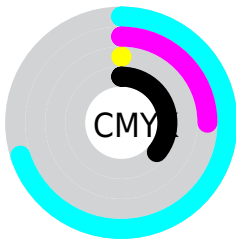
Distribution



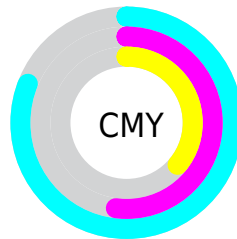
- Red (19%)
- Green (48%)
- Blue (64%)



- Red (19%)
- Yellow (37%)
- Blue (64%)



- Cyan (70%)
- Magenta (25%)
- Yellow (0%)
- Black (36%)



- Cyan (81%)
- Magenta (52%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9604, 17.4632, 37.2326 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 14.9604, 17.4632, 37.2326 by changing the saturation by 10% instead.

■ 14.9604, 17.4632,
37.2326

■ 14.9604, 17.4632,
37.2326

216.5195,
237.8277, 349.5154

■ 8.8777, 10.5653,
25.0904

■ 34.3559, 39.1205,
72.1207

■ 4.7180, 5.7753,
15.9248

■ 48.3995, 54.6486,
95.7037

■ 2.1158, 2.7090,
9.3172

■ 65.8274, 73.8223,
123.9374

■ 0.6978, 0.9817,
4.8490

■ 87.0050, 97.0260,
157.2404

■ 0.0000, 0.0000,
2.1018

■ 112.2977,
124.6439, 196.0311

■ 0.0000, 0.0000,
0.6168

142.0707,

■ 0.0000, 0.0000,

157.0606, 240.7282

0.0000

176.6896,
194.6604, 291.7501

■ 14.9604, 17.4632,
37.2326

■ 14.9604, 17.4632,
37.2326

■ 13.6230, 15.7513,
36.9730

■ 16.6248, 19.4058,
37.5202

■ 12.5776, 14.2502,
36.7384

■ 18.6426, 21.5929,
37.8360

■ 11.7501, 12.9208,
36.5254

■ 21.0393, 24.0388,
38.1818

■ 11.7450, 12.9125,
36.5240

■ 23.8376, 26.7563,
38.5588

■ 27.0580, 29.7569,
38.9683

■ 30.7198, 33.0514,
39.4112

■ 34.8410, 36.6501,
39.8886

■ 39.4384, 40.5624,
40.4014

■ 44.5281, 44.7976,
40.9506

Harmonies

Analogous

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



12.9379, 17.4632, 30.8366



14.9604, 17.4632, 37.2326



17.6523, 17.4632, 38.0338

Triad

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



14.9604, 17.4632, 37.2326



22.3336, 17.4632, 16.2080



13.3530, 17.4632, 9.7637

Complementary

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



14.9604, 17.4632, 37.2326



19.2318, 15.1541, 4.8178

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.



15.5870, 17.4632, 7.7059



14.9604, 17.4632, 37.2326



20.8910, 17.4632, 10.6815

Square

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



14.9604, 17.4632, 37.2326



22.1179, 17.4632, 24.2932



18.3515, 17.4632, 7.9876



12.0830, 17.4632, 14.5618

Rectangle

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



14.9604, 17.4632, 37.2326



19.4932, 17.4632, 35.0879



18.3515, 17.4632, 7.9876



14.0051, 17.4632, 8.7974

Sweetspot

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



14.9610, 17.4638, 37.2330



47.5711, 52.4779, 69.6781



16.1634, 27.5675, 13.8993



10.3350, 11.4636, 15.6055



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.



14.9610, 17.4638, 37.2330



23.2845, 26.6532, 65.9735



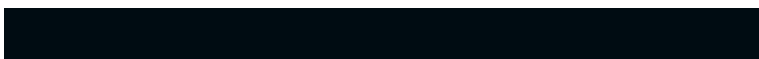
9.8322, 7.2062, 35.5234



7.0660, 7.5909, 8.9958



9.1716, 10.1227, 28.4003



0.2345, 0.2962, 0.6107

Inverse Universe

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



19.7782, 11.4139, 19.9001



33.0649, 17.2599, 30.1345



25.9227, 28.5359, 7.0481



7.2583, 7.1598, 8.3464



13.7749, 6.8660, 11.2711



0.3105, 0.1527, 0.3478

Previews

White Background



This preview shows how the XYZ color 14.9604, 17.4632, 37.2326 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 14.9604, 17.4632, 37.2326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

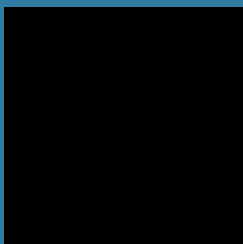
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

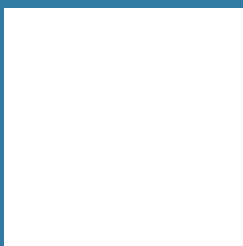
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9604, 17.4632, 37.2326

Background



This preview shows how black text looks on a background with the XYZ color 14.9604, 17.4632, 37.2326.

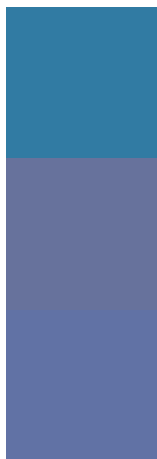


This preview shows how white text looks on a background with the XYZ color 14.9604, 17.4632,

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

14.9604, 17.4632, 37.2326

Protanopia

17.6116, 17.3185, 33.8671

Deuteranopia

17.7386, 17.2926, 38.0002



Tritanopia

12.8717, 17.5646, 26.7567

Trichromacy



Original Color

14.9604, 17.4632, 37.2326

Protanomaly

16.1866, 17.0648, 35.2416

Deuteranomaly

16.3704, 17.1084, 37.5614

Tritanomaly

13.5266, 17.4404, 30.2572

Monochromacy



Original Color

14.9604, 17.4632, 37.2326

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.3064, 15.0260, 21.9376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9604, 17.4632, 37.2326 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(49, 123, 163)` looks like.

```
.text, #text, p{  
    color:rgb(49, 123, 163)  
}
```

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(49, 123, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 123, 163) }
```

Border

The CSS property to change the border of an element to XYZ 14.9604, 17.4632, 37.2326 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(49, 123, 163) }
```


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

```
.border{ border-color:rgb(49, 123, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 123, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 123, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 123, 163);  
box-shadow:4px 4px 4px 4px rgb(49, 123,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9604, 17.4632, 37.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 123, 163) }
```

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

```
.background{ background-color: rgb(49, 123,  
163) }
```

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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