

Converting Colors

XYZ(14.9727, 17.2107, 37.6800)

Have a look what the booklet for
XYZ(14.9727, 17.2107, 37.6800)
contains.

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Color

**XYZ(15.0256, 17.3032,
37.6699)**

Conversions

Conversions Part 1

Format	Color
Hex	337AA4
RGB	51, 122, 164
RGB Percent	20%, 48%, 64%
CMY	0.8000, 0.5216, 0.3569
CMYK	0.69, 0.26, 0.00, 0.36
HSL	202°, 53%, 42%
HSV	202°, 69%, 64%
XYZ	15.0256, 17.3032, 37.6699
YIQ	105.5590, -55.7980, -1.9900

Conversions

Conversions Part 2

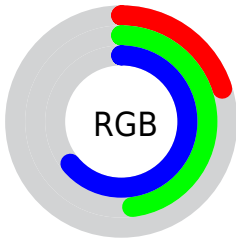
Format	Color
RYB	51, 95, 164
Decimal	3373732
CIELab	48.64, -8.26, -28.95
CIELCh	49, 30.111, 254.069
Yxy	17.3032, 0.2147, 0.2472
Android (android.graphics.Color)	4281563812 (0xFF337AA4)
YUV	105.5590, 28.8114, -47.8482
Hunter-Lab	41.5971, -8.3177, -24.5744

Details

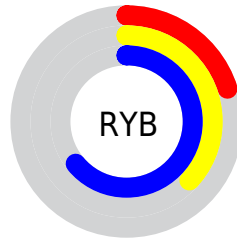
The XYZ color **15.0256, 17.3032, 37.6699** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.8225, 15.9614, 5.1688**, and the grayscale version is **13.5147, 14.2185, 15.4840**.

A 20% lighter version of the original color is **34.3526, 38.7016, 72.6774**, and **5.3734, 6.0674, 16.2172** is the 20% darker color. If you saturate the color by 10%, you get **13.6153, 15.4999, 37.3965**, and if you desaturate by 10%, it is **16.7755, 19.3518, 37.9734**.

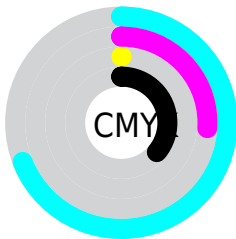
Distribution



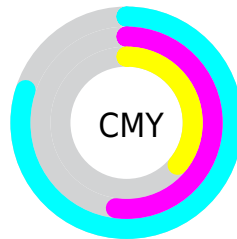
- Red (20%)
- Green (48%)
- Blue (64%)



- Red (20%)
- Yellow (37%)
- Blue (64%)



- Cyan (69%)
- Magenta (26%)
- Yellow (0%)
- Black (36%)



- Cyan (80%)
- Magenta (52%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0256, 17.3032, 37.6699 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 15.0256, 17.3032, 37.6699 by changing the saturation by 10% instead.

■ 15.0256, 17.3032,
37.6699

■ 15.0256, 17.3032,
37.6699

216.9064,
236.9136, 351.4574

■ 8.9238, 10.4509,
25.4267

■ 34.4694, 38.8463,
72.7997

■ 4.7482, 5.6989,
16.1734

■ 48.5420, 54.3060,
96.5234

■ 2.1335, 2.6629,
9.4912

■ 66.0024, 73.4035,
124.9111

■ 0.7073, 0.9584,
4.9618

■ 87.2157, 96.5234,
158.3812

■ 0.0000, 0.0000,
2.1665

■ 112.5474,
124.0499, 197.3524

■ 0.0000, 0.0000,
0.6549

142.3629,

■ 0.0000, 0.0000,

156.3675, 242.2431

0.0000

177.0274,
193.8606, 293.4720

■ 15.0256, 17.3032,
37.6699

■ 15.0256, 17.3032,
37.6699

■ 13.6153, 15.4999,
37.3965

■ 16.7755, 19.3518,
37.9734

■ 12.5097, 13.9219,
37.1502

■ 18.8916, 21.6599,
38.3074

■ 11.6451, 12.5352,
36.9281

■ 21.3997, 24.2422,
38.6737

■ 11.5554, 12.3894,
36.9047

■ 24.3226, 27.1117,
39.0735

■ 27.6813, 30.2803,
39.5080

■ 31.4951, 33.7591,
39.9785

■ 35.7824, 37.5587,
40.4859

■ 40.5604, 41.6889,
41.0313

■ 45.8452, 46.1593,
41.6157

Harmonies

Analogous

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



12.9048, 17.3032, 31.5823



15.0256, 17.3032, 37.6699



17.7767, 17.3032, 37.8741

Triad

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



15.0256, 17.3032, 37.6699



22.1795, 17.3032, 15.3665



13.0093, 17.3032, 9.8603

Complementary

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



15.0256, 17.3032, 37.6699



19.8225, 15.9614, 5.1688

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.



15.1837, 17.3032, 7.5705



15.0256, 17.3032, 37.6699



20.5825, 17.3032, 10.0899

Square

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



15.0256, 17.3032, 37.6699



22.1248, 17.3032, 23.3503



17.9536, 17.3032, 7.6406



11.8332, 17.3032, 14.9519

Rectangle

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



15.0256, 17.3032, 37.6699



19.6177, 17.3032, 34.5323



17.9536, 17.3032, 7.6406



13.6364, 17.3032, 8.8104

Sweetspot

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



15.0262, 17.3038, 37.6703



48.6477, 53.4755, 71.5101



16.5921, 28.0356, 14.7627



10.2833, 11.3601, 15.5882



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.



15.0262, 17.3038, 37.6703



23.5137, 26.4647, 67.6212



10.0189, 7.2892, 36.0012



7.0538, 7.5665, 8.9918



8.9068, 9.5929, 28.3120



0.2301, 0.2875, 0.6092

Inverse Universe

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



20.0071, 11.6660, 19.6102



33.7881, 17.7551, 29.7123



26.6448, 29.6060, 7.4429



7.2521, 7.1573, 8.3140



13.6412, 6.8125, 10.5671



0.3083, 0.1518, 0.3362

Previews

White Background



This preview shows how the XYZ color 15.0256, 17.3032, 37.6699 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 15.0256, 17.3032, 37.6699 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 15.0256, 17.3032, 37.6699

Background



This preview shows how black text looks on a background with the XYZ color 15.0256, 17.3032, 37.6699.

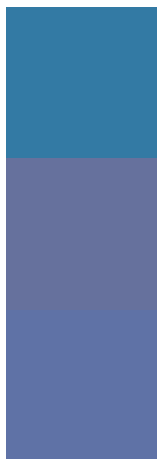


This preview shows how white text looks on a background with the XYZ color 15.0256, 17.3032,

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

15.0256, 17.3032, 37.6699

Protanopia

17.4704, 17.0694, 34.2722

Deuteranopia

17.6196, 17.2207, 38.4717



Tritanopia

12.7319, 17.3082, 26.3367

Trichromacy



Original Color

15.0256, 17.3032, 37.6699

Protanomaly

16.1578, 16.8678, 35.6619

Deuteranomaly

16.3773, 17.1015, 38.0350

Tritanomaly

13.4751, 17.2249, 30.2183

Monochromacy



Original Color

15.0256, 17.3032, 37.6699

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4627, 15.0991, 22.2835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0256, 17.3032, 37.6699 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(51, 122, 164)` looks like.

```
.text, #text, p{  
    color:rgb(51, 122, 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(51, 122, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 122, 164) }
```

Border

The CSS property to change the border of an element to XYZ 15.0256, 17.3032, 37.6699 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(51, 122, 164) }
```


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

```
.border{ border-color:rgb(51, 122, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 122, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 122, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 122, 164);  
box-shadow:4px 4px 4px 4px rgb(51, 122,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0256, 17.3032, 37.6699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 122, 164) }
```

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

```
.background{ background-color: rgb(51, 122,  
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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