

Converting Colors

XYZ(15.4004, 17.0435, 40.8484)

Have a look what the booklet for
XYZ(15.4004, 17.0435, 40.8484)
contains.

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Color

**XYZ(15.4324, 17.0770,
41.0109)**

Conversions

Conversions Part 1

Format	Color
Hex	3378AB
RGB	51, 120, 171
RGB Percent	20%, 47%, 67%
CMY	0.8000, 0.5294, 0.3294
CMYK	0.70, 0.30, 0.00, 0.33
HSL	206°, 54%, 44%
HSV	206°, 70%, 67%
XYZ	15.4324, 17.0770, 41.0109
YIQ	105.1830, -57.4950, 1.2330

Conversions

Conversions Part 2

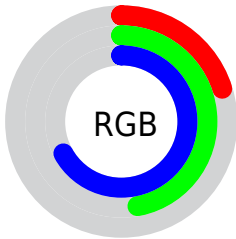
Format	Color
R_{YB}	51, 95, 171
Decimal	3373227
CIE _{Lab}	48.36, -4.63, -33.48
CIE _{LCh}	48, 33.794, 262.130
Yxy	17.0770, 0.2099, 0.2323
Android (android.graphics.Color)	4281563307 (0xFF3378AB)
YUV	105.1830, 32.4478, -47.5185
Hunter-Lab	41.3243, -5.6575, -29.9133

Details

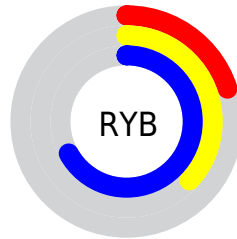
The XYZ color **15.4324, 17.0770, 41.0109** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22.1445, 18.4013, 5.5175**, and the grayscale version is **13.4036, 14.1016, 15.3567**.

A 20% lighter version of the original color is **35.1732, 38.4306, 78.2371**, and **5.5874, 5.9427, 17.9921** is the 20% darker color. If you saturate the color by 10%, you get **13.8828, 15.0297, 40.6977**, and if you desaturate by 10%, it is **17.3664, 19.4215, 41.3619**.

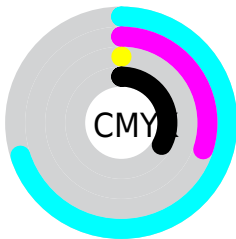
Distribution



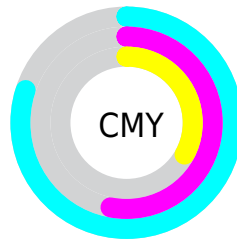
- Red (20%)
- Green (47%)
- Blue (67%)



- Red (20%)
- Yellow (37%)
- Blue (67%)



- Cyan (70%)
- Magenta (30%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (53%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4324, 17.0770, 41.0109 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 15.4324, 17.0770, 41.0109 by changing the saturation by 10% instead.

■ 15.4324, 17.0770,
41.0109

■ 15.4324, 17.0770,
41.0109

219.3056,
235.6157, 366.0442

■ 9.2117, 10.2894,
28.0078

■ 35.1754, 38.4581,
77.9543

■ 4.9377, 5.5913,
18.0925

■ 49.4285, 53.8204,
102.7317

■ 2.2452, 2.5982,
10.8463

■ 67.0897, 72.8098,
132.2710

■ 0.7664, 0.9257,
5.8507

■ 88.5244, 95.8105,
166.9906

■ 0.0000, 0.0000,
2.6872

■ 114.0980,
123.2071, 207.3093

■ 0.0000, 0.0000,
0.9370

144.1758,

■ 0.0000, 0.0000,

155.3839, 253.6454

0.0000

179.1232,
192.7253, 306.4175

■ 15.4324, 17.0770,
41.0109

■ 15.4324, 17.0770,
41.0109

■ 13.8828, 15.0297,
40.6977

■ 17.3664, 19.4215,
41.3619

■ 12.6776, 13.2560,
40.4189

■ 19.7155, 22.0804,
41.7513

■ 11.7486, 11.7361,
40.1745

■ 22.5092, 25.0711,
42.1813

■ 25.7736, 28.4091,
42.6535

■ 29.5326, 32.1086,
43.1695

■ 33.8083, 36.1830,
43.7306

■ 38.6215, 40.6447,
44.3381

■ 43.9918, 45.5056,
44.9933

■ 49.9377, 50.7771,
45.6974

Harmonies

Analogous

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



12.8552, 17.0770, 35.4881



15.4324, 17.0770, 41.0109



18.5700, 17.0770, 39.1890

Triad

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



15.4324, 17.0770, 41.0109



22.3697, 17.0770, 12.9002



11.9842, 17.0770, 9.9932

Complementary

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



15.4324, 17.0770, 41.0109



22.1445, 18.4013, 5.5175

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.



14.0975, 17.0770, 6.8788



15.4324, 17.0770, 41.0109



20.1518, 17.0770, 8.1486

Square

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



15.4324, 17.0770, 41.0109



22.8451, 17.0770, 21.0185



17.0571, 17.0770, 6.3315



11.0355, 17.0770, 16.3634

Rectangle

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



15.4324, 17.0770, 41.0109



20.5446, 17.0770, 34.2536



17.0571, 17.0770, 6.3315



12.5682, 17.0770, 8.6260

Sweetspot

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



15.4330, 17.0776, 41.0113



52.0347, 56.6742, 77.1986



18.2779, 30.7698, 17.2890



11.1893, 12.2339, 17.1593



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.4330, 17.0776, 41.0113



23.6442, 25.1707, 72.6141



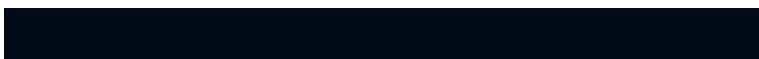
10.3855, 6.9826, 39.3288



7.9468, 8.4930, 10.1732



8.9097, 8.9532, 30.3031



0.3006, 0.3545, 0.8606

Inverse Universe

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



21.3692, 12.3824, 19.0335



35.6251, 18.7098, 27.5799



30.1376, 34.3873, 8.1819



8.1910, 8.0896, 9.3164



14.3608, 7.2069, 9.5455



0.4261, 0.2111, 0.4057

Previews

White Background



This preview shows how the XYZ color 15.4324, 17.0770, 41.0109 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 15.4324, 17.0770, 41.0109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

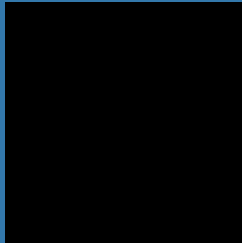
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4324, 17.0770, 41.0109

Background



This preview shows how black text looks on a background with the XYZ color 15.4324, 17.0770, 41.0109.

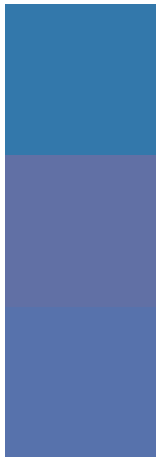


This preview shows how white text looks on a background with the XYZ color 15.4324, 17.0770,

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

15.4324, 17.0770, 41.0109

Protanopia

17.5155, 16.8463, 37.9258

Deuteranopia

17.3942, 17.0394, 41.4019



Tritanopia

12.4814, 17.1791, 26.3250

Trichromacy



Original Color

15.4324, 17.0770, 41.0109

Protanomaly

16.4141, 16.7570, 38.9285

Deuteranomaly

16.5158, 16.9252, 41.4261

Tritanomaly

13.2922, 16.9253, 31.0001

Monochromacy



Original Color

15.4324, 17.0770, 41.0109

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2847, 14.6681, 22.8999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4324, 17.0770, 41.0109 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, 120, 171)` looks like.

```
.text, #text, p{  
    color:rgb(51, 120, 171)  
}
```

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, 120, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 120, 171) }
```

Border

The CSS property to change the border of an element to XYZ 15.4324, 17.0770, 41.0109 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, 120, 171) }
```


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

```
.border{ border-color:rgb(51, 120, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 120, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 120, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 120, 171);  
box-shadow:4px 4px 4px 4px rgb(51, 120,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4324, 17.0770, 41.0109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 120, 171) }
```

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

```
.background{ background-color: rgb(51, 120,  
171) }
```

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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