

Converting Colors

XYZ(14.4663, 15.1462, 40.6145)

Have a look what the booklet for
XYZ(14.4663, 15.1462, 40.6145)
contains.

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Color

**XYZ(14.5101, 15.2324,
40.7035)**

Conversions

Conversions Part 1

Format	Color
Hex	3370AB
RGB	51, 112, 171
RGB Percent	20%, 44%, 67%
CMY	0.8000, 0.5608, 0.3294
CMYK	0.70, 0.35, 0.00, 0.33
HSL	210°, 54%, 44%
HSV	210°, 70%, 67%
XYZ	14.5101, 15.2324, 40.7035
YIQ	100.4870, -55.2950, 5.4170

Conversions

Conversions Part 2

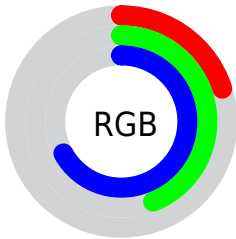
Format	Color
R_{YB}	51, 91, 171
Decimal	3371179
CIE _{Lab}	45.95, 0.20, -37.26
CIE _{LCh}	46, 37.263, 270.304
Yxy	15.2324, 0.2060, 0.2162
Android (android.graphics.Color)	4281561259 (0xFF3370AB)
YUV	100.4870, 34.7629, -43.4001
Hunter-Lab	39.0287, -1.9375, -34.5141

Details

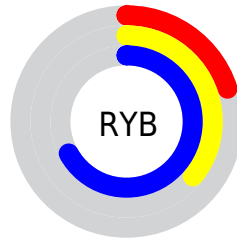
The XYZ color **14.5101, 15.2324, 40.7035** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.9692, 20.0505, 5.7924**, and the grayscale version is **12.1622, 12.7956, 13.9344**.

A 20% lighter version of the original color is **33.5179, 35.1199, 77.6853**, and **5.1603, 5.0886, 17.8498** is the 20% darker color. If you saturate the color by 10%, you get **12.9169, 13.0977, 40.3758**, and if you desaturate by 10%, it is **16.5080, 17.7047, 41.0757**.

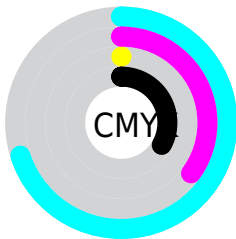
Distribution



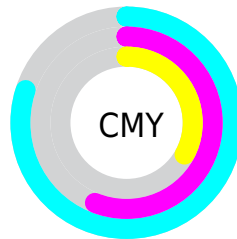
- Red (20%)
- Green (44%)
- Blue (67%)



- Red (20%)
- Yellow (36%)
- Blue (67%)



- Cyan (70%)
- Magenta (35%)
- Yellow (0%)
- Black (33%)



- Cyan (80%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5101, 15.2324, 40.7035 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 14.5101, 15.2324, 40.7035 by changing the saturation by 10% instead.

■ 14.5101, 15.2324,
40.7035

■ 14.5101, 15.2324,
40.7035

213.8292,
224.7686, 364.7197

■ 8.5604, 8.9827,
27.7695

■ 33.5702, 35.2604,
77.4824

■ 4.5104, 4.7299,
17.9145

■ 47.4112, 49.8074,
102.1643

■ 1.9947, 2.0897,
10.7198

■ 64.6135, 67.8889,
131.5994

■ 0.6310, 0.6588,
5.7670

■ 85.5422, 89.8894,
166.2061

■ 0.0000, 0.0000,
2.6374

■ 110.5627,
116.1932, 206.4029

■ 0.0000, 0.0000,
0.9117

140.0405,

■ 0.0000, 0.0000,

147.1848, 252.6084

0.0000

174.3409,
183.2484, 305.2412

■ 14.5101, 15.2324,
40.7035

■ 14.5101, 15.2324,
40.7035

■ 12.9169, 13.0977,
40.3758

■ 16.5080, 17.7047,
41.0757

■ 11.6874, 11.2755,
40.0888

■ 18.9422, 20.5337,
41.4935

■ 10.7526, 9.7439,
39.8425

■ 21.8429, 23.7385,
41.9592

■ 25.2370, 27.3360,
42.4747

■ 29.1492, 31.3419,
43.0417

■ 33.6023, 35.7711,
43.6619

■ 38.6177, 40.6373,
44.3368

■ 44.2158, 45.9538,
45.0680

■ 50.4157, 51.7332,
45.8568

Harmonies

Analogous

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



11.6781, 15.2324, 36.6953



14.5101, 15.2324, 40.7035



17.7567, 15.2324, 36.5393

Triad

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



14.5101, 15.2324, 40.7035



20.3666, 15.2324, 9.2781



9.8253, 15.2324, 9.3867

Complementary

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



14.5101, 15.2324, 40.7035



22.9692, 20.0505, 5.7924

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.



11.6299, 15.2324, 5.6596



14.5101, 15.2324, 40.7035



17.6930, 15.2324, 5.6148

Square

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



14.5101, 15.2324, 40.7035



21.4240, 15.2324, 16.4936



14.4458, 15.2324, 4.5787



9.2234, 15.2324, 16.6777

Rectangle

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



14.5101, 15.2324, 40.7035



19.6602, 15.2324, 30.3266



14.4458, 15.2324, 4.5787



10.2971, 15.2324, 7.7854

Sweetspot

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



14.5107, 15.2329, 40.7039



51.3129, 55.2307, 76.9580



18.6892, 30.9343, 19.4551



11.0113, 11.8780, 17.1000



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.



14.5107, 15.2329, 40.7039



21.8869, 21.6561, 72.0284



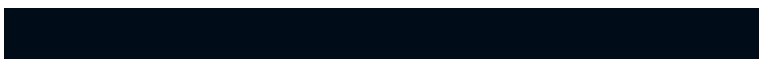
9.9898, 6.1912, 39.1969



7.9028, 8.4049, 10.1585



8.1586, 7.4511, 30.0527



0.2816, 0.3166, 0.8542

Inverse Universe

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



20.9036, 12.1962, 16.5819



34.7381, 18.3550, 22.9090



31.5806, 37.2733, 8.6629



8.1687, 8.0807, 9.1993



13.9817, 7.0552, 7.5493



0.4165, 0.2073, 0.3553

Previews

White Background



This preview shows how the XYZ color 14.5101, 15.2324, 40.7035 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 14.5101, 15.2324, 40.7035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

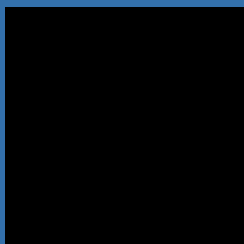
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5101, 15.2324, 40.7035

Background



This preview shows how black text looks on a background with the XYZ color 14.5101, 15.2324, 40.7035.



This preview shows how white text looks on a background with the XYZ color 14.5101, 15.2324,

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

14.5101, 15.2324, 40.7035

Protanopia

15.9674, 15.0875, 38.1470

Deuteranopia

15.5566, 15.1201, 41.1283



Tritanopia

10.9268, 15.1380, 23.4651

Trichromacy



Original Color

14.5101, 15.2324, 40.7035

Protanomaly

15.2545, 15.0081, 39.1386

Deuteranomaly

15.0950, 15.0397, 41.1371

Tritanomaly

11.9241, 14.9999, 29.0549

Monochromacy



Original Color

14.5101, 15.2324, 40.7035

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1959, 13.2008, 21.6439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5101, 15.2324, 40.7035 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, 112, 171)` looks like.

```
.text, #text, p{  
    color:rgb(51, 112, 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, 112, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 112, 171) }
```

Border

The CSS property to change the border of an element to XYZ 14.5101, 15.2324, 40.7035 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, 112, 171) }
```


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

```
.border{ border-color:rgb(51, 112, 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, 112, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 112, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 112, 171);  
box-shadow:4px 4px 4px 4px rgb(51, 112,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5101, 15.2324, 40.7035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 112, 171) }
```

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

```
.background{ background-color: rgb(51, 112,  
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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