

Converting Colors

XYZ(16.3554, 15.2826, 44.5515)

Have a look what the booklet for
XYZ(16.3554, 15.2826, 44.5515)
contains.

XYZ(16.3749, 15.3066, 44.7392)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.3749, 15.3066,
44.7392)**

Conversions

Conversions Part 1

Format	Color
Hex	4C6BB3
RGB	76, 107, 179
RGB Percent	30%, 42%, 70%
CMY	0.7019, 0.5804, 0.2980
CMYK	0.58, 0.40, 0.00, 0.30
HSL	222°, 40%, 50%
HSV	222°, 58%, 70%
XYZ	16.3749, 15.3066, 44.7392
YIQ	105.9390, -41.5880, 15.8200

Conversions

Conversions Part 2

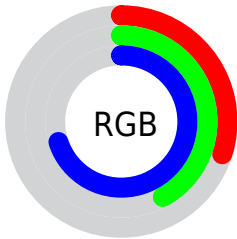
Format	Color
R_{YB}	76, 100, 179
Decimal	5008307
CIE _{Lab}	46.05, 10.75, -41.70
CIE _{LCh}	46, 43.066, 284.461
Yxy	15.3066, 0.2143, 0.2003
Android (android.graphics.Color)	4283198387 (0xFF4C6BB3)
YUV	105.9390, 36.0191, -26.2565
Hunter-Lab	39.1237, 6.2434, -40.4135

Details

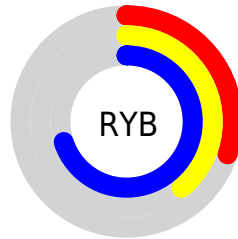
The XYZ color **16.3749, 15.3066, 44.7392** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.4858, 31.2869, 11.2707**, and the grayscale version is **13.5962, 14.3043, 15.5774**.

A 20% lighter version of the original color is **36.7380, 35.3574, 83.4856**, and **5.3818, 4.7381, 20.3696** is the 20% darker color. If you saturate the color by 10%, you get **13.9341, 12.2499, 44.2782**, and if you desaturate by 10%, it is **19.4014, 18.9459, 45.2825**.

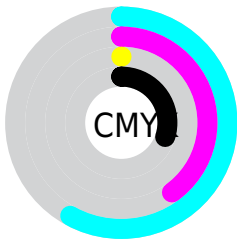
Distribution



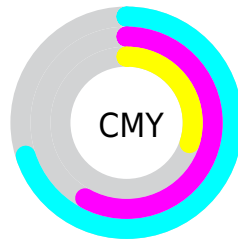
- Red (30%)
- Green (42%)
- Blue (70%)



- Red (30%)
- Yellow (39%)
- Blue (70%)



- Cyan (58%)
- Magenta (40%)
- Yellow (0%)
- Black (30%)



- Cyan (70%)
- Magenta (58%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3749, 15.3066, 44.7392 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 16.3749, 15.3066, 44.7392 by changing the saturation by 10% instead.

■ 16.3749, 15.3066,
44.7392

■ 16.3749, 15.3066,
44.7392

224.7710,
225.2146, 381.8456

■ 9.8824, 9.0348,
30.9106

■ 36.8000, 35.3902,
83.6432

■ 5.3827, 4.7639,
20.2729

■ 51.4634, 49.9707,
109.5557

■ 2.5106, 2.1094,
12.4075

■ 69.5810, 68.0897,
140.3332

■ 0.9006, 0.6699,
6.8960

■ 91.5183, 90.1315,
176.3944

■ 0.0000, 0.0000,
3.3197

■ 117.6405,
116.4805, 218.1576

■ 0.0000, 0.0000,
1.2601

148.3132,

■ 0.0000, 0.0000,

147.5211, 266.0416

0.0287

183.9016,
183.6376, 320.4647

■ 0.0000, 0.0000,
0.0000

■ 16.3749, 15.3066,
44.7392

■ 16.3749, 15.3066,
44.7392

■ 13.9341, 12.2499,
44.2782

■ 19.4014, 18.9459,
45.2825

■ 12.0352, 9.7408,
43.8939

■ 23.0491, 23.1967,
45.9107

■ 10.6310, 7.7421,
43.5822

■ 27.3529, 28.0880,
46.6280

■ 9.6525, 6.2043,
43.3369

■ 32.3443, 33.6460,
47.4377

■ 9.4498, 5.8809,
43.2852

■ 38.0529, 39.8957,
48.3431

■ 44.5062, 46.8605,
49.3474

■ 51.7305, 54.5627,
50.4533

■ 59.7507, 63.0238,
51.6637

■ 68.5905, 72.2642,
52.9814

Harmonies

Analogous

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



12.7458, 15.3066, 44.5501



16.3749, 15.3066, 44.7392



20.0468, 15.3066, 35.5539

Triad

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



16.3749, 15.3066, 44.7392



20.1629, 15.3066, 6.1702



8.7737, 15.3066, 11.8349

Complementary

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



16.3749, 15.3066, 44.7392



30.4858, 31.2869, 11.2707

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.



10.1604, 15.3066, 6.0331



16.3749, 15.3066, 44.7392



16.5136, 15.3066, 3.8234

Square

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



16.3749, 15.3066, 44.7392



22.4697, 15.3066, 12.1286



12.8632, 15.3066, 3.7868



8.7493, 15.3066, 22.2144

Rectangle

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



16.3749, 15.3066, 44.7392



21.8553, 15.3066, 26.9366



12.8632, 15.3066, 3.7868



9.0841, 15.3066, 9.4078

Sweetspot

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



16.3755, 15.3071, 44.7396



58.1690, 60.5253, 84.9979



24.3195, 35.8645, 32.9923



12.4723, 12.9507, 18.7646



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.3755, 15.3071, 44.7396



23.9714, 20.6665, 79.1068



15.4292, 10.8512, 43.9294



8.2436, 8.6333, 10.7382



6.7285, 4.2574, 30.6041



0.2642, 0.2390, 0.9804

Inverse Universe

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



23.8293, 15.8150, 15.7070



39.0057, 23.1496, 20.2205



31.9457, 40.2480, 12.9234



8.5981, 8.5460, 9.3822



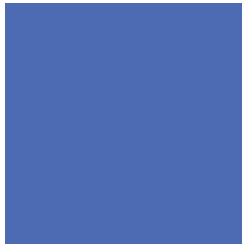
13.6309, 6.9699, 3.2163



0.4554, 0.2299, 0.2407

Previews

White Background



This preview shows how the XYZ color 16.3749, 15.3066, 44.7392 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 16.3749, 15.3066, 44.7392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

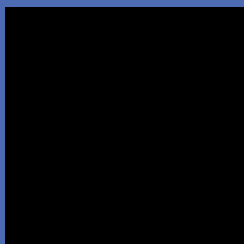
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

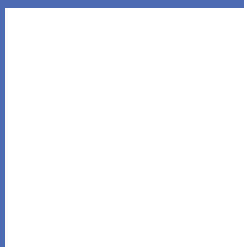
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3749, 15.3066, 44.7392

Background



This preview shows how black text looks on a background with the XYZ color 16.3749, 15.3066, 44.7392.



This preview shows how white text looks on a background with the XYZ color 16.3749, 15.3066,

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

16.3749, 15.3066, 44.7392

Protanopia

16.4982, 15.2279, 44.1892

Deuteranopia

15.6845, 15.2754, 44.2413



Tritanopia

11.9503, 15.3276, 22.7508

Trichromacy



Original Color

16.3749, 15.3066, 44.7392

Protanomaly

16.4144, 15.1847, 44.1853

Deuteranomaly

15.8527, 15.2047, 44.2188

Tritanomaly

13.3337, 15.1980, 29.8345

Monochromacy



Original Color

16.3749, 15.3066, 44.7392

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1070, 14.4344, 24.2329

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3749, 15.3066, 44.7392 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(76, 107, 179)` looks like.

```
.text, #text, p{  
    color:rgb(76, 107, 179)  
}
```

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(76, 107, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 107, 179) }
```

Border

The CSS property to change the border of an element to XYZ 16.3749, 15.3066, 44.7392 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(76, 107, 179) }
```


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

```
.border{ border-color:rgb(76, 107, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 107, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 107, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 107, 179);  
box-shadow:4px 4px 4px 4px rgb(76, 107,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3749, 15.3066, 44.7392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 107, 179) }
```

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

```
.background{ background-color: rgb(76, 107,  
179) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor