

Converting Colors

XYZ(15.7955, 16.2869, 44.6943)

Have a look what the booklet for
XYZ(15.7955, 16.2869, 44.6943)
contains.

XYZ(15.8430, 16.3284, 44.9645)	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(15.8430, 16.3284,
44.9645)**

Conversions

Conversions Part 1

Format	Color
Hex	3773B3
RGB	55, 115, 179
RGB Percent	22%, 45%, 70%
CMY	0.7843, 0.5490, 0.2980
CMYK	0.69, 0.36, 0.00, 0.30
HSL	211°, 53%, 46%
HSV	211°, 69%, 70%
XYZ	15.8430, 16.3284, 44.9645
YIQ	104.3560, -56.3040, 7.1840

Conversions

Conversions Part 2

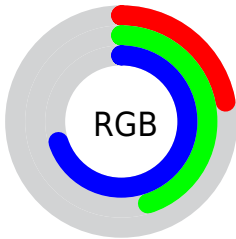
Format	Color
R_{YB}	55, 95, 179
Decimal	3634099
CIE _{Lab}	47.40, 1.88, -39.62
CIE _{LCh}	47, 39.666, 272.724
Yxy	16.3284, 0.2054, 0.2117
Android (android.graphics.Color)	4281824179 (0xFF3773B3)
YUV	104.3560, 36.7995, -43.2852
Hunter-Lab	40.4084, -0.7299, -37.6891

Details

The XYZ color **15.8430, 16.3284, 44.9645** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.8780, 23.0551, 6.7016**, and the grayscale version is **13.1695, 13.8554, 15.0885**.

A 20% lighter version of the original color is **35.8843, 37.2804, 83.9018**, and **5.8330, 5.6406, 20.5200** is the 20% darker color. If you saturate the color by 10%, you get **14.0331, 13.9091, 44.5933**, and if you desaturate by 10%, it is **18.1153, 19.1433, 45.3884**.

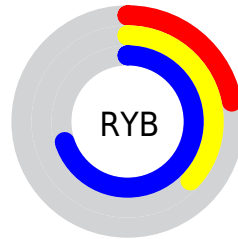
Distribution



Red (22%)

Green (45%)

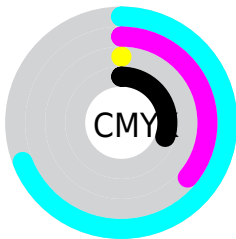
Blue (70%)



Red (22%)

Yellow (37%)

Blue (70%)

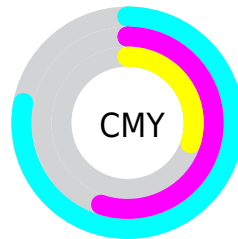


Cyan (69%)

Magenta (36%)

Yellow (0%)

Black (30%)



Cyan (78%)

Magenta (55%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8430, 16.3284, 44.9645 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 15.8430, 16.3284, 44.9645 by changing the saturation by 10% instead.

■ 15.8430, 16.3284,
44.9645

■ 15.8430, 16.3284,
44.9645

221.7022,
231.2718, 382.7857

■ 9.5033, 9.7568,
31.0867

■ 35.8851, 37.1674,
83.9850

■ 5.1306, 5.2380,
20.4059

■ 50.3181, 52.2036,
109.9648

■ 2.3596, 2.3876,
12.5034

■ 68.1797, 70.8302,
140.8158

■ 0.8249, 0.8195,
6.9608

■ 89.8351, 93.4314,
176.9563

■ 0.0000, 0.0000,
3.3595

■ 115.6497,
120.3919, 218.8050

■ 0.0000, 0.0000,
1.2810

145.9888,

■ 0.0000, 0.0000,

152.0958, 266.7805

0.0462

181.2178,
188.9276, 321.3012

■ 0.0000, 0.0000,
0.0000

■ 15.8430, 16.3284,
44.9645

■ 15.8430, 16.3284,
44.9645

■ 14.0331, 13.9091,
44.5933

■ 18.1153, 19.1433,
45.3884

■ 12.6401, 11.8568,
44.2705

■ 20.8856, 22.3758,
45.8663

■ 11.5843, 10.1256,
43.9920

■ 24.1879, 26.0481,
46.4011

■ 11.5134, 10.0079,
43.9731

■ 28.0524, 30.1796,
46.9949

■ 32.5067, 34.7886,
47.6498

■ 37.5769, 39.8923,
48.3676

■ 43.2869, 45.5068,
49.1504

■ 49.6598, 51.6474,
49.9998

■ 56.7171, 58.3288,
50.9174

Harmonies

Analogous

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



12.6241, 16.3284, 41.1251



15.8430, 16.3284, 44.9645



19.4670, 16.3284, 39.5374

Triad

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



15.8430, 16.3284, 44.9645



21.9274, 16.3284, 9.2345



10.2548, 16.3284, 10.3025

Complementary

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



15.8430, 16.3284, 44.9645



25.8780, 23.0551, 6.7016

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.



12.1456, 16.3284, 5.9614



15.8430, 16.3284, 44.9645



18.8272, 16.3284, 5.5284

Square

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



15.8430, 16.3284, 44.9645



23.2958, 16.3284, 16.8749



15.2007, 16.3284, 4.6072



9.7008, 16.3284, 18.7145

Rectangle

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



15.8430, 16.3284, 44.9645



21.5420, 16.3284, 32.2656



15.2007, 16.3284, 4.6072



10.7394, 16.3284, 8.4444

Sweetspot

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



15.8436, 16.3289, 44.9649



56.4651, 60.5116, 85.0850



20.9074, 34.3374, 22.3568



12.0182, 12.8999, 18.7788



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.



15.8436, 16.3289, 44.9649



23.7644, 22.9453, 79.5575



11.0793, 6.8003, 43.3768



8.3700, 8.8861, 10.7804



8.2004, 7.2013, 31.0948



0.3165, 0.3436, 0.9979

Inverse Universe

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



23.0517, 13.5548, 17.6214



38.2439, 20.3283, 23.9675



35.4006, 42.1002, 9.8758



8.6619, 8.5715, 9.7182



14.3739, 7.2671, 7.1287



0.4818, 0.2405, 0.3798

Previews

White Background



This preview shows how the XYZ color 15.8430, 16.3284, 44.9645 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 15.8430, 16.3284, 44.9645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

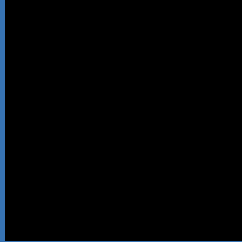
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8430, 16.3284, 44.9645

Background



This preview shows how black text looks on a background with the XYZ color 15.8430, 16.3284, 44.9645.



This preview shows how white text looks on a background with the XYZ color 15.8430, 16.3284,

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

15.8430, 16.3284, 44.9645

Protanopia

17.2404, 16.2826, 42.2786

Deuteranopia

16.7049, 16.2613, 45.4383



Tritanopia

11.7602, 16.2651, 25.0739

Trichromacy



Original Color

15.8430, 16.3284, 44.9645

Protanomaly

16.6111, 16.2594, 43.3372

Deuteranomaly

16.3901, 16.2638, 45.4554

Tritanomaly

12.9075, 16.1681, 31.2946

Monochromacy



Original Color

15.8430, 16.3284, 44.9645

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2970, 14.3423, 23.5402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8430, 16.3284, 44.9645 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(55, 115, 179)` looks like.

```
.text, #text, p{  
    color:rgb(55, 115, 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(55, 115, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 115, 179) }
```

Border

The CSS property to change the border of an element to XYZ 15.8430, 16.3284, 44.9645 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(55, 115, 179) }
```


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

```
.border{ border-color:rgb(55, 115, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 115, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 115, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 115, 179);  
box-shadow:4px 4px 4px 4px rgb(55, 115,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8430, 16.3284, 44.9645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 115, 179) }
```

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

```
.background{ background-color: rgb(55, 115,  
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](#).

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