

Converting Colors

XYZ(15.6342, 16.2462, 50.2301)

Have a look what the booklet for
XYZ(15.6342, 16.2462, 50.2301)
contains.

XYZ(15.6993, 16.3034, 50.4635)	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(15.6993, 16.3034,
50.4635)**

Conversions

Conversions Part 1

Format	Color
Hex	1374BD
RGB	19, 116, 189
RGB Percent	7%, 45%, 74%
CMY	0.9254, 0.5451, 0.2588
CMYK	0.90, 0.39, 0.00, 0.26
HSL	206°, 82%, 41%
HSV	206°, 90%, 74%
XYZ	15.6993, 16.3034, 50.4635
YIQ	95.3190, -81.2450, 2.1390

Conversions

Conversions Part 2

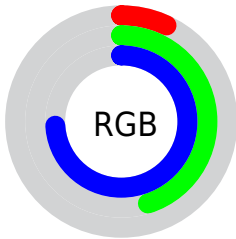
Format	Color
R _Y B	19, 81, 189
Decimal	1275069
CIE Lab	47.37, 1.19, -45.52
CIE LCh	47, 45.532, 271.498
Yxy	16.3034, 0.1904, 0.1977
Android (android.graphics.Color)	4279465149 (0xFF1374BD)
YUV	95.3190, 46.1847, -66.9318
Hunter-Lab	40.3775, -1.2574, -45.8360

Details

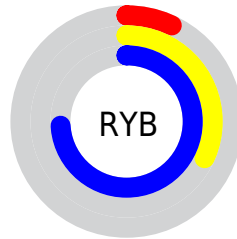
The XYZ color **15.6993, 16.3034, 50.4635** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.9336, 18.5248, 2.8788**, and the grayscale version is **10.8624, 11.4281, 12.4452**.

A 20% lighter version of the original color is **35.7828, 37.3117, 92.5047**, and **6.5013, 6.0055, 23.7382** is the 20% darker color. If you saturate the color by 10%, you get **14.5373, 14.3756, 50.1530**, and if you desaturate by 10%, it is **17.2045, 18.5298, 50.8143**.

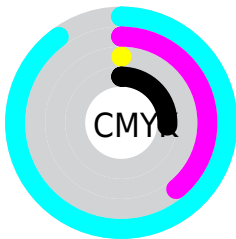
Distribution



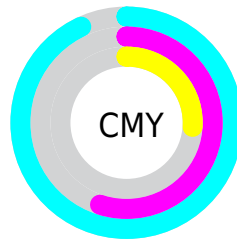
- Red (7%)
- Green (45%)
- Blue (74%)



- Red (7%)
- Yellow (32%)
- Blue (74%)



- Cyan (90%)
- Magenta (39%)
- Yellow (0%)
- Black (26%)



- Cyan (93%)
- Magenta (55%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6993, 16.3034, 50.4635 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 15.6993, 16.3034, 50.4635 by changing the saturation by 10% instead.

■ 15.6993, 16.3034,
50.4635

■ 15.6993, 16.3034,
50.4635

■ 220.8662,
231.1254, 405.2626

■ 9.4011, 9.7391,
35.4081

■ 35.6371, 37.1241,
92.2646

■ 5.0629, 5.2263,
23.6913

■ 50.0073, 52.1493,
119.8474

■ 2.3194, 2.3807,
14.8947

■ 67.7991, 70.7636,
152.4430

■ 0.8045, 0.8159,
8.5997

■ 89.3775, 93.3514,
190.4699

■ 0.0000, 0.0000,
4.3878

■ 115.1081,
120.2971, 234.3469

■ 0.0000, 0.0000,
1.8404

■ 145.3562,

■ 0.0000, 0.0000,

151.9851, 284.4923

0.4544

180.4871,
188.7997, 341.3247

■ 0.0000, 0.0000,
0.0000

■ 15.6993, 16.3034,
50.4635

■ 15.6993, 16.3034,
50.4635

■ 14.5373, 14.3756,
50.1530

■ 17.2045, 18.5298,
50.8143

■ 14.5300, 14.3634,
50.1510

■ 19.1461, 21.1053,
51.2091

■ 21.5738, 24.0588,
51.6512

■ 24.5297, 27.4145,
52.1431

■ 28.0505, 31.1942,
52.6871

■ 32.1697, 35.4176,
53.2852

■ 36.9178, 40.1032,
53.9394

■ 42.3233, 45.2680,
54.6514

■ 48.4126, 50.9280,
55.4229

Harmonies

Analogous

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



12.0843, 16.3034, 45.2699



15.6993, 16.3034, 50.4635



19.9075, 16.3034, 44.1958

Triad

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



15.6993, 16.3034, 50.4635



23.0871, 16.3034, 8.4978



9.6347, 16.3034, 9.1275

Complementary

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



15.6993, 16.3034, 50.4635



24.9336, 18.5248, 2.8788

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.



11.7896, 16.3034, 4.7559



15.6993, 16.3034, 50.4635



19.4958, 16.3034, 4.5189

Square

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



15.6993, 16.3034, 50.4635



24.6051, 16.3034, 17.1779



15.2942, 16.3034, 3.5249



8.9684, 16.3034, 18.3380

Rectangle

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



15.6993, 16.3034, 50.4635



22.3859, 16.3034, 35.4626



15.2942, 16.3034, 3.5249



10.1882, 16.3034, 7.2097

Sweetspot

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



15.7000, 16.3039, 50.4639



59.6349, 65.4527, 95.7167



20.3058, 37.2698, 15.7628



12.2362, 13.4860, 20.5007



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



15.7000, 16.3039, 50.4639



25.7801, 25.2387, 89.7390



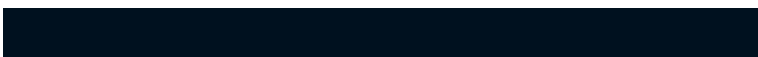
10.0036, 4.9112, 48.5651



9.4561, 10.1045, 12.1242



9.8532, 9.8182, 33.7687



0.4497, 0.5121, 1.3440

Inverse Universe

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



24.3722, 12.5465, 17.6605



42.2954, 21.2601, 26.5559



36.4023, 41.4622, 6.7017



9.7521, 9.6251, 11.0833



15.9742, 8.0208, 10.4238



0.6579, 0.3271, 0.5778

Previews

White Background



This preview shows how the XYZ color 15.6993, 16.3034, 50.4635 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 15.6993, 16.3034, 50.4635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

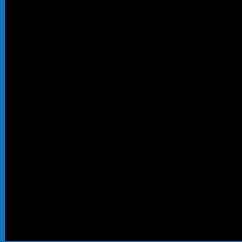
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6993, 16.3034, 50.4635

Background



This preview shows how black text looks on a background with the XYZ color 15.6993, 16.3034, 50.4635.



This preview shows how white text looks on a background with the XYZ color 15.6993, 16.3034,

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

15.6993, 16.3034, 50.4635

Protanopia

17.4956, 16.1500, 46.9949

Deuteranopia

16.7749, 16.3402, 50.9850



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

15.6993, 16.3034, 50.4635

Protanomaly

16.3548, 16.0209, 48.1293

Deuteranomaly

16.2664, 16.2446, 50.9934

Tritanomaly

12.6748, 16.0198, 32.5611

Monochromacy



Original Color

15.6993, 16.3034, 50.4635

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.1274, 12.4788, 22.5910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6993, 16.3034, 50.4635 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(19, 116, 189)` looks like.

```
.text, #text, p{  
    color:rgb(19, 116, 189)  
}
```

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(19, 116, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 116, 189) }
```

Border

The CSS property to change the border of an element to XYZ 15.6993, 16.3034, 50.4635 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(19, 116, 189) }
```


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

```
.border{ border-color:rgb(19, 116, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 116, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 116, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 116, 189);  
box-shadow:4px 4px 4px 4px rgb(19, 116,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6993, 16.3034, 50.4635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 116, 189) }
```

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

```
.background{ background-color: rgb(19, 116,  
189) }
```

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