

# Converting Colors

XYZ(15.3984, 19.6919, 25.0350)

Have a look what the booklet for  
XYZ(15.3984, 19.6919, 25.0350)  
contains.

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# Color

**XYZ(15.4654, 19.7325,  
25.1839)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4C8485
RGB	76, 132, 133
RGB Percent	30%, 52%, 52%
CMY	0.7020, 0.4823, 0.4784
CMYK	0.43, 0.01, 0.00, 0.48
HSL	181°, 27%, 41%
HSV	181°, 43%, 52%
XYZ	15.4654, 19.7325, 25.1839
YIQ	115.3700, -33.6970, -11.5610

# Conversions

## Conversions Part 2

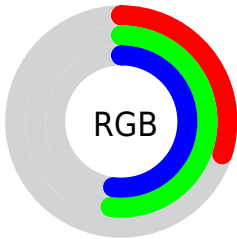
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	76, 104, 133
Decimal	5014661
CIE <sub>Lab</sub>	51.53, -18.12, -6.33
CIE <sub>LCh</sub>	52, 19.199, 199.254
Yxy	19.7325, 0.2561, 0.3268
Android (android.graphics.Color)	4283204741 (0xFF4C8485)
YUV	115.3700, 8.6916, -34.5275
Hunter-Lab	44.4213, -15.5919, -2.5186

# Details

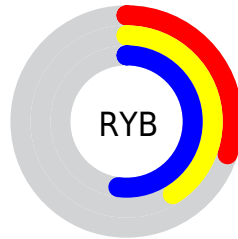
The XYZ color **15.4654, 19.7325, 25.1839** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.6315, 10.8163, 8.2073**, and the grayscale version is **16.3903, 17.2439, 18.7786**.

A 20% lighter version of the original color is **35.1140, 42.8323, 52.8711**, and **4.9484, 6.8453, 9.4480** is the 20% darker color. If you saturate the color by 10%, you get **14.4847, 19.1805, 25.1294**, and if you desaturate by 10%, it is **16.6659, 20.3988, 25.2496**.

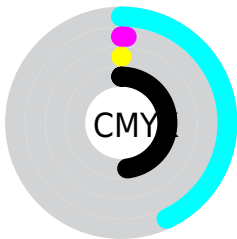
# Distribution



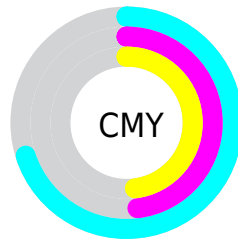
- Red (30%)
- Green (52%)
- Blue (52%)



- Red (30%)
- Yellow (41%)
- Blue (52%)



- Cyan (43%)
- Magenta (1%)
- Yellow (0%)
- Black (48%)



- Cyan (70%)
- Magenta (48%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4654, 19.7325, 25.1839 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 15.4654, 19.7325, 25.1839 by changing the saturation by 10% instead.



■ 15.4654, 19.7325,  
25.1839

■ 15.4654, 19.7325,  
25.1839

219.4991,  
250.4633, 292.2295

■ 9.2351, 12.2007,  
15.9939

■ 35.2326, 42.9682,  
52.9232

■ 4.9532, 6.8805,  
9.3655

■ 49.5002, 59.4410,  
72.3096

■ 2.2543, 3.3875,  
4.8803

■ 67.1776, 79.6629,  
95.9318

■ 0.7711, 1.3372,  
2.1197

■ 88.6301, 104.0184,  
124.2084

■ 0.0000, 0.1698,  
0.6274

■ 114.2232,  
132.8917, 157.5579

■ 0.0000, 0.0000,  
0.0000

144.3222,

166.6674, 196.3989

179.2923,  
205.7298, 241.1499

■ 15.4654, 19.7325,  
25.1839

■ 15.4654, 19.7325,  
25.1839

■ 14.4847, 19.1805,  
25.1294

■ 16.6659, 20.3988,  
25.2496

■ 13.7084, 18.7336,  
25.0840

■ 18.0967, 21.1835,  
25.3256

■ 13.1220, 18.3846,  
25.0476

■ 19.7699, 22.0932,  
25.4130

■ 12.7083, 18.1249,  
25.0193

■ 21.6963, 23.1336,  
25.5123

■ 12.4471, 17.9438,  
24.9981

■ 23.8860, 24.3098,  
25.6239

■ 12.3059, 17.8379,  
24.9851

■ 26.3484, 25.6266,  
25.7483

■ 29.0925, 27.0889,  
25.8859

■ 32.1271, 28.7010,  
26.0372

■ 35.4604, 30.4671,  
26.2024

# Harmonies

## Analogous

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



15.3404, 19.7325, 19.5640



15.4654, 19.7325, 25.1839



16.4358, 19.7325, 30.5847

# Triad

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



15.4654, 19.7325, 25.1839



21.7094, 19.7325, 29.1955



19.4556, 19.7325, 12.6440

# Complementary

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



15.4654, 19.7325, 25.1839



13.6315, 10.8163, 8.2073

# 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.



21.2831, 19.7325, 14.3975



15.4654, 19.7325, 25.1839



22.6423, 19.7325, 23.5285

# Square

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



15.4654, 19.7325, 25.1839



20.0056, 19.7325, 33.1615



22.4812, 19.7325, 18.1679



17.5579, 19.7325, 12.9328



# Rectangle

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



15.4654, 19.7325, 25.1839



17.4711, 19.7325, 33.0353



22.4812, 19.7325, 18.1679



20.1006, 19.7325, 13.0004

# Sweetspot

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



15.4660, 19.7333, 25.1844



35.2623, 39.4875, 45.5017



12.7062, 18.8470, 9.9806



7.8071, 8.8218, 10.2440



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052



# Same Dimension

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



15.4660, 19.7333, 25.1844



26.0490, 34.4107, 45.0074



12.1197, 13.0407, 24.0689



4.7948, 5.2653, 5.9643



11.7221, 16.9920, 23.7987



0.0412, 0.0600, 0.0826



# Inverse Universe

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



16.4226, 11.8219, 23.2469



28.0001, 18.3944, 41.0294



16.0753, 15.7039, 9.0218



4.8545, 4.7615, 5.8459



13.0949, 6.3023, 20.8698



0.0456, 0.0219, 0.0738



# Previews

## White Background



This preview shows how the XYZ color 15.4654, 19.7325, 25.1839 looks on a white 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



# Black Background



This preview shows how the XYZ color 15.4654, 19.7325, 25.1839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

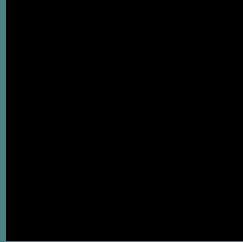
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 15.4654, 19.7325, 25.1839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.4654, 19.7325, 25.1839.



This preview shows how white text looks on a background with the XYZ color 15.4654, 19.7325,



# 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

15.4654, 19.7325, 25.1839

### Protanopia

18.9587, 19.6623, 22.8747

### Deuteranopia

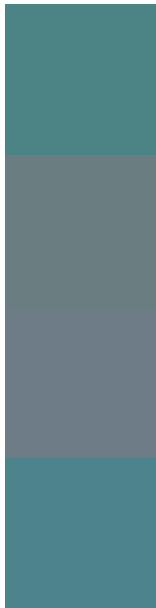
19.9428, 19.5604, 26.0170



## Tritanopia

16.0659, 19.7754, 28.1696

# Trichromacy



## Original Color

15.4654, 19.7325, 25.1839

## Protanomaly

17.3672, 19.5709, 23.6311

## Deuteranomaly

17.8875, 19.4158, 25.7265

## Tritanomaly

15.7643, 19.6454, 27.0058

# Monochromacy



## Original Color

15.4654, 19.7325, 25.1839

## Achromatopsia

16.2955, 17.1441, 18.6699

## Achromatomaly

15.7171, 17.8466, 21.0287

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.4654, 19.7325, 25.1839 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, 132, 133)` looks like.

```
.text, #text, p{  
    color:rgb(76, 132, 133)  
}
```

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, 132, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 132, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 15.4654, 19.7325, 25.1839 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, 132, 133) }
```



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

```
.border{ border-color:rgb(76, 132, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 132, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 132, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 132, 133);  
box-shadow:4px 4px 4px 4px rgb(76, 132,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.4654, 19.7325, 25.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 132, 133) }
```

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

```
.background{ background-color: rgb(76, 132,  
133) }
```

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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