

Converting Colors

XYZ(15.8721, 19.2267, 39.4338)

Have a look what the booklet for
XYZ(15.8721, 19.2267, 39.4338)
contains.

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Color

**XYZ(15.8721, 19.2267,
39.4338)**

Conversions

Conversions Part 1

Format	Color
Hex	2982A7
RGB	41, 130, 167
RGB Percent	16%, 51%, 65%
CMY	0.8392, 0.4902, 0.3451
CMYK	0.75, 0.22, 0.00, 0.35
HSL	198°, 61%, 41%
HSV	198°, 75%, 65%
XYZ	15.8721, 19.2267, 39.4338
YIQ	107.6070, -64.9210, -7.3610

Conversions

Conversions Part 2

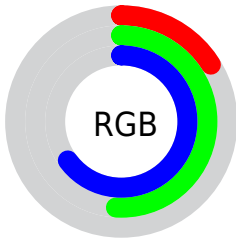
Format	Color
R_{YB}	41, 93, 167
Decimal	2720423
CIE _{Lab}	50.95, -13.24, -27.13
CIE _{LCh}	51, 30.188, 243.978
Yxy	19.2267, 0.2130, 0.2580
Android (android.graphics.Color)	4280910503 (0xFF2982A7)
YUV	107.6070, 29.2807, -58.4143
Hunter-Lab	43.8483, -12.1214, -22.6271

Details

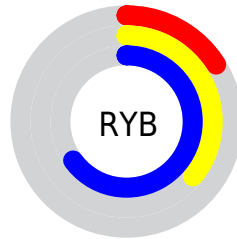
The XYZ color **15.8721, 19.2267, 39.4338** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.0618, 13.8255, 3.7625**, and the grayscale version is **14.0787, 14.8119, 16.1301**.

A 20% lighter version of the original color is **35.9440, 42.1442, 75.3474**, and **6.0369, 7.1227, 17.2763** is the 20% darker color. If you saturate the color by 10%, you get **14.7052, 17.6800, 39.1971**, and if you desaturate by 10%, it is **17.3540, 20.9826, 39.6950**.

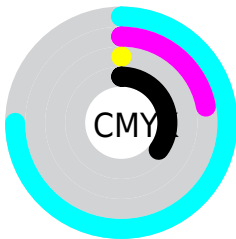
Distribution



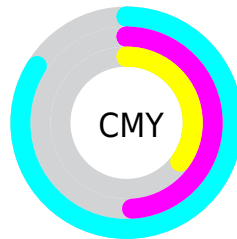
- Red (16%)
- Green (51%)
- Blue (65%)



- Red (16%)
- Yellow (36%)
- Blue (65%)



- Cyan (75%)
- Magenta (22%)
- Yellow (0%)
- Black (35%)



- Cyan (84%)
- Magenta (49%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8721, 19.2267, 39.4338 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 15.8721, 19.2267, 39.4338 by changing the saturation by 10% instead.

■ 15.8721, 19.2267,
39.4338

■ 15.8721, 19.2267,
39.4338

■ 221.8711,
247.6974, 359.2122

■ 9.5240, 11.8342,
26.7869

■ 35.9353, 42.1168,
75.5282

■ 5.1443, 6.6309,
17.1823

■ 50.3810, 58.3832,
99.8128

■ 2.3678, 3.2323,
10.2012

■ 68.2567, 78.3764,
128.8137

■ 0.8290, 1.2542,
5.4252

■ 89.9276, 102.4807,
162.9495

■ 0.0000, 0.1053,
2.4358

■ 115.7591,
131.0806, 202.6387

■ 0.0000, 0.0000,
0.8058

■ 146.1167,

■ 0.0000, 0.0000,

164.5604, 248.2999

0.0000

181.3655,
203.3045, 300.3515

■ 15.8721, 19.2267,
39.4338

■ 15.8721, 19.2267,
39.4338

■ 14.7052, 17.6800,
39.1971

■ 17.3540, 20.9826,
39.6950

■ 13.8101, 16.3187,
38.9816

■ 19.1810, 22.9629,
39.9809

■ 13.4488, 15.7374,
38.8884

■ 21.3820, 25.1833,
40.2935

■ 23.9817, 27.6573,
40.6340

■ 27.0030, 30.3972,
41.0036

■ 30.4667, 33.4143,
41.4034

■ 34.3924, 36.7193,
41.8345

■ 38.7983, 40.3222,
42.2977

■ 43.7016, 44.2323,
42.7940

Harmonies

Analogous

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



13.9194, 19.2267, 31.5204



15.8721, 19.2267, 39.4338



18.6751, 19.2267, 41.9654

Triad

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



15.8721, 19.2267, 39.4338



24.6132, 19.2267, 19.8159



15.2531, 19.2267, 10.0549

Complementary

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



15.8721, 19.2267, 39.4338



19.0618, 13.8255, 3.7625

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.



17.8795, 19.2267, 8.4528



15.8721, 19.2267, 39.4338



23.4545, 19.2267, 13.0319

Square

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



15.8721, 19.2267, 39.4338



23.9275, 19.2267, 28.9986



20.9076, 19.2267, 9.3723



13.5902, 19.2267, 14.5241

Rectangle

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



15.8721, 19.2267, 39.4338



20.7054, 19.2267, 39.8128



20.9076, 19.2267, 9.3723



16.0416, 19.2267, 9.2280

Sweetspot

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



15.8728, 19.2274, 39.4343



49.5530, 55.4939, 73.5750



16.0628, 28.6410, 11.6485



10.6338, 12.0147, 16.4107



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.8728, 19.2274, 39.4343



25.1390, 29.8775, 69.9172



9.9756, 7.4330, 37.4686



7.5587, 8.1544, 9.5939



10.3349, 12.1300, 29.7721



0.2925, 0.3771, 0.7380

Inverse Universe

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



20.7591, 11.4138, 22.2287



35.0256, 17.6938, 34.2918



25.6715, 27.0450, 5.9657



7.7466, 7.6285, 8.9829



14.7172, 7.2956, 13.8541



0.3788, 0.1858, 0.4461

Previews

White Background



This preview shows how the XYZ color 15.8721, 19.2267, 39.4338 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 15.8721, 19.2267, 39.4338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

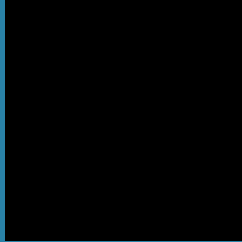
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8721, 19.2267, 39.4338

Background



This preview shows how black text looks on a background with the XYZ color 15.8721, 19.2267, 39.4338.

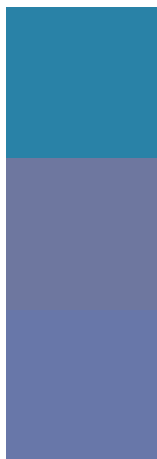


This preview shows how white text looks on a background with the XYZ color 15.8721, 19.2267,

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

15.8721, 19.2267, 39.4338

Protanopia

19.2852, 19.0119, 35.4541

Deuteranopia

19.4672, 19.0013, 40.1777



Tritanopia

13.8671, 19.2137, 29.7658

Trichromacy



Original Color

15.8721, 19.2267, 39.4338

Protanomaly

17.3509, 18.7058, 36.8785

Deuteranomaly

17.5442, 18.7424, 39.7388

Tritanomaly

14.5633, 19.2946, 33.0937

Monochromacy



Original Color

15.8721, 19.2267, 39.4338

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8640, 15.9606, 23.1189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8721, 19.2267, 39.4338 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(41, 130, 167)` looks like.

```
.text, #text, p{  
    color:rgb(41, 130, 167)  
}
```

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(41, 130, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 130, 167) }
```

Border

The CSS property to change the border of an element to XYZ 15.8721, 19.2267, 39.4338 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(41, 130, 167) }
```


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

```
.border{ border-color:rgb(41, 130, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 130, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 130, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 130, 167);  
box-shadow:4px 4px 4px 4px rgb(41, 130,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8721, 19.2267, 39.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 130, 167) }
```

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

```
.background{ background-color: rgb(41, 130,  
167) }
```

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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