

Converting Colors

XYZ(15.8583, 17.2707, 32.6351)

Have a look what the booklet for
XYZ(15.8583, 17.2707, 32.6351)
contains.

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Color

**XYZ(15.9139, 17.3326,
32.6438)**

Conversions

Conversions Part 1

Format	Color
Hex	537799
RGB	83, 119, 153
RGB Percent	33%, 47%, 60%
CMY	0.6745, 0.5333, 0.4000
CMYK	0.46, 0.22, 0.00, 0.40
HSL	209°, 30%, 46%
HSV	209°, 46%, 60%
XYZ	15.9139, 17.3326, 32.6438
YIQ	112.1120, -32.3700, 2.9420

Conversions

Conversions Part 2

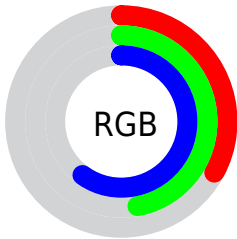
Format	Color
R _Y B	83, 107, 153
Decimal	5470105
CIE Lab	48.68, -3.20, -22.35
CIE LCh	49, 22.574, 261.859
Yxy	17.3326, 0.2415, 0.2631
Android (android.graphics.Color)	4283660185 (0xFF537799)
YUV	112.1120, 20.1578, -25.5312
Hunter-Lab	41.6324, -4.6256, -17.3463

Details

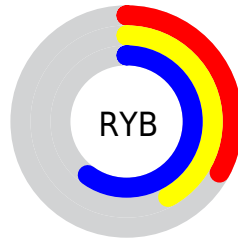
The XYZ color **15.9139, 17.3326, 32.6438** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.0600, 20.1199, 10.9578**, and the grayscale version is **15.3840, 16.1851, 17.6256**.

A 20% lighter version of the original color is **35.9787, 38.8651, 64.6369**, and **5.1869, 5.7418, 13.4053** is the 20% darker color. If you saturate the color by 10%, you get **13.8600, 15.0121, 32.3045**, and if you desaturate by 10%, it is **18.3360, 19.9464, 33.0210**.

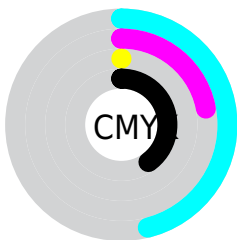
Distribution



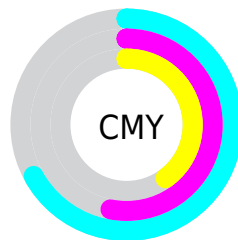
- Red (33%)
- Green (47%)
- Blue (60%)



- Red (33%)
- Yellow (42%)
- Blue (60%)



- Cyan (46%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)



- Cyan (67%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9139, 17.3326, 32.6438 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 15.9139, 17.3326, 32.6438 by changing the saturation by 10% instead.

■ 15.9139, 17.3326,
32.6438

■ 15.9139, 17.3326,
32.6438

222.1135,
237.0818, 328.6243

■ 9.5537, 10.4719,
21.5848

■ 36.0073, 38.8968,
64.9286

■ 5.1641, 5.7130,
13.3568

■ 50.4713, 54.3690,
86.9915

■ 2.3796, 2.6713,
7.5411

■ 68.3672, 73.4806,
113.5595

■ 0.8349, 0.9627,
3.7192

■ 90.0604, 96.6158,
145.0511

■ 0.0000, 0.0000,
1.4726

■ 115.9163,
124.1592, 181.8848

■ 0.0000, 0.0000,
0.1974

146.3002,

■ 0.0000, 0.0000,

156.4951, 224.4792

0.0000

181.5775,
194.0078, 273.2529

■ 15.9139, 17.3326,
32.6438

■ 15.9139, 17.3326,
32.6438

■ 13.8600, 15.0121,
32.3045

■ 18.3360, 19.9464,
33.0210

■ 12.1512, 12.9695,
32.0003

■ 21.1442, 22.8637,
33.4361

■ 10.7642, 11.1907,
31.7300

■ 24.3571, 26.0968,
33.8908

■ 9.6718, 9.6591,
31.4920

■ 27.9914, 29.6564,
34.3863

■ 8.8369, 8.3532,
31.2839

■ 32.0632, 33.5529,
34.9238

■ 8.5233, 7.8468,
31.2027

■ 36.5873, 37.7958,
35.5043

■ 41.5780, 42.3946,
36.1289

■ 47.0490, 47.3581,
36.7986

■ 53.0132, 52.6950,
37.5144

Harmonies

Analogous

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



14.1241, 17.3326, 29.3981



15.9139, 17.3326, 32.6438



18.0096, 17.3326, 31.6334

Triad

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



15.9139, 17.3326, 32.6438



20.4745, 17.3326, 14.9184



13.5228, 17.3326, 12.6419

Complementary

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



15.9139, 17.3326, 32.6438



21.0600, 20.1199, 10.9578

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.



15.0285, 17.3326, 10.1083



15.9139, 17.3326, 32.6438



19.0714, 17.3326, 11.2169

Square

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



15.9139, 17.3326, 32.6438



20.7618, 17.3326, 20.5422



17.0473, 17.3326, 9.6481



12.8215, 17.3326, 17.2954

Rectangle

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



15.9139, 17.3326, 32.6438



19.2916, 17.3326, 28.7603



17.0473, 17.3326, 9.6481



13.9453, 17.3326, 11.5583

Sweetspot

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



15.9145, 17.3333, 32.6442



44.5310, 47.6379, 60.8200



18.1601, 25.9024, 20.8214



9.5623, 10.2508, 13.3921



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.9145, 17.3333, 32.6442



24.7085, 26.7534, 57.8336



12.5009, 10.5061, 31.5064



6.1340, 6.5253, 7.8652



7.0778, 6.5523, 25.7994



0.1422, 0.1708, 0.3978

Inverse Universe

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



19.5604, 14.2913, 19.1810



32.3113, 21.4256, 29.5312



25.8998, 29.7996, 12.5711



6.3347, 6.2731, 7.1428



12.0313, 6.0668, 6.6899



0.1982, 0.0980, 0.1968

Previews

White Background



This preview shows how the XYZ color 15.9139, 17.3326, 32.6438 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 15.9139, 17.3326, 32.6438 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

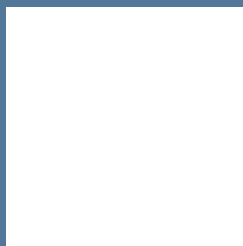
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9139, 17.3326, 32.6438

Background



This preview shows how black text looks on a background with the XYZ color 15.9139, 17.3326, 32.6438.

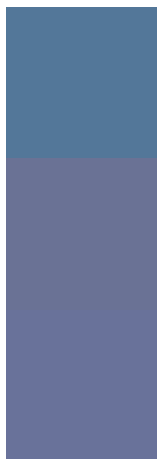


This preview shows how white text looks on a background with the XYZ color 15.9139, 17.3326,

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

15.9139, 17.3326, 32.6438

Protanopia

17.3860, 17.2687, 30.8506

Deuteranopia

17.6757, 17.3710, 32.9932



Tritanopia

14.3772, 17.4372, 24.7983

Trichromacy



Original Color

15.9139, 17.3326, 32.6438

Protanomaly

16.7874, 17.2895, 31.3066

Deuteranomaly

17.0079, 17.3653, 33.0273

Tritanomaly

14.9176, 17.4748, 27.3977

Monochromacy



Original Color

15.9139, 17.3326, 32.6438

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.3283, 16.5605, 22.4673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9139, 17.3326, 32.6438 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(83, 119, 153)` looks like.

```
.text, #text, p{  
    color:rgb(83, 119, 153)  
}
```

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(83, 119, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 119, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.9139, 17.3326, 32.6438 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(83, 119, 153) }
```


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

```
.border{ border-color:rgb(83, 119, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 119, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 119, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 119, 153);  
box-shadow:4px 4px 4px 4px rgb(83, 119,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9139, 17.3326, 32.6438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 119, 153) }
```

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

```
.background{ background-color: rgb(83, 119,  
153) }
```

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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