

Converting Colors

XYZ(15.3373, 16.4894, 23.1039)

Have a look what the booklet for
XYZ(15.3373, 16.4894, 23.1039)
contains.

XYZ(15.3487, 16.5558, 23.1555)	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(15.3487, 16.5558,
23.1555)**

Conversions

Conversions Part 1

Format	Color
Hex	647381
RGB	100, 115, 129
RGB Percent	39%, 45%, 51%
CMY	0.6078, 0.5490, 0.4941
CMYK	0.22, 0.11, 0.00, 0.49
HSL	209°, 13%, 45%
HSV	209°, 22%, 51%
XYZ	15.3487, 16.5558, 23.1555
YIQ	112.1110, -13.4340, 1.1740

Conversions

Conversions Part 2

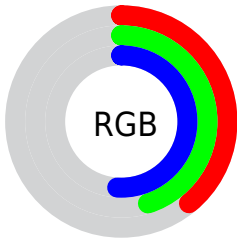
Format	Color
R_{YB}	100, 110, 129
Decimal	6583169
CIE _{Lab}	47.70, -2.27, -9.56
CIE _{LCh}	48, 9.825, 256.642
Yxy	16.5558, 0.2788, 0.3007
Android (android.graphics.Color)	4284773249 (0xFF647381)
YUV	112.1110, 8.3263, -10.6213
Hunter-Lab	40.6888, -3.8714, -5.2590

Details

The XYZ color **15.3487, 16.5558, 23.1555** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3709, 17.6218, 14.5427**, and the grayscale version is **15.4132, 16.2159, 17.6591**.

A 20% lighter version of the original color is **35.0247, 37.5941, 49.6664**, and **4.9233, 5.3504, 8.3627** is the 20% darker color. If you saturate the color by 10%, you get **13.3472, 14.5056, 22.8655**, and if you desaturate by 10%, it is **17.6252, 18.8198, 23.4728**.

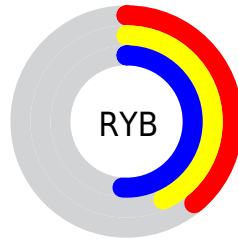
Distribution



Red (39%)

Green (45%)

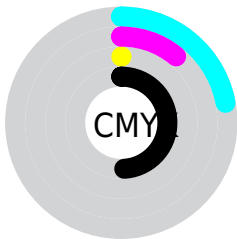
Blue (51%)



Red (39%)

Yellow (43%)

Blue (51%)

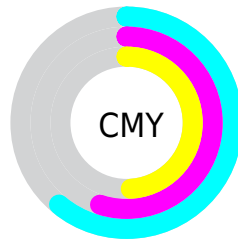


Cyan (22%)

Magenta (11%)

Yellow (0%)

Black (49%)



Cyan (61%)

Magenta (55%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3487, 16.5558, 23.1555 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 15.3487, 16.5558, 23.1555 by changing the saturation by 10% instead.

■ 15.3487, 16.5558,
23.1555

■ 15.3487, 16.5558,
23.1555

218.8140,
232.5994, 281.6704

■ 9.1524, 9.9183,
14.5020

■ 35.0304, 37.5604,
49.5750

■ 4.8986, 5.3448,
8.3279

■ 49.2465, 52.6964,
68.1780

■ 2.2220, 2.4510,
4.2147

■ 66.8666, 71.4339,
90.9346

■ 0.7543, 0.8519,
1.7439

■ 88.2560, 94.1574,
118.2634

■ 0.0000, 0.0000,
0.3905

113.7801,
121.2514, 150.5828

■ 0.0000, 0.0000,
0.0000

143.8042,

153.1001, 188.3114

178.6937,
190.0880, 231.8678

■ 15.3487, 16.5558,
23.1555

■ 15.3487, 16.5558,
23.1555

■ 13.3472, 14.5056,
22.8655

■ 17.6252, 18.8198,
23.4728

■ 11.6075, 12.6598,
22.6010

■ 20.1859, 21.3024,
23.8170

■ 10.1179, 11.0113,
22.3613

■ 23.0416, 24.0111,
24.1893

■ 8.8646, 9.5516,
22.1456

■ 26.2019, 26.9519,
24.5904

■ 7.8329, 8.2714,
21.9528

■ 29.6761, 30.1310,
25.0209

■ 7.0058, 7.1605,
21.7820

■ 33.4730, 33.5541,
25.4815

■ 6.3636, 6.2070,
21.6318

■ 37.6010, 37.2268,
25.9728

■ 5.9538, 5.5675,
21.5300

■ 42.0684, 41.1544,
26.4955

■ 46.8828, 45.3421,
27.0500

Harmonies

Analogous

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



14.6042, 16.5558, 21.7781



15.3487, 16.5558, 23.1555



16.2246, 16.5558, 23.0708

Triad

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



15.3487, 16.5558, 23.1555



17.4106, 16.5558, 16.6760



14.5392, 16.5558, 14.9046

Complementary

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



15.3487, 16.5558, 23.1555



17.3709, 17.6218, 14.5427

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.



15.2569, 16.5558, 13.7768



15.3487, 16.5558, 23.1555



16.9244, 16.5558, 14.7325

Square

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



15.3487, 16.5558, 23.1555



17.4374, 16.5558, 19.1675



16.1293, 16.5558, 13.7169



14.1487, 16.5558, 16.9316

Rectangle

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



15.3487, 16.5558, 23.1555



16.7657, 16.5558, 22.1940



16.1293, 16.5558, 13.7169



14.7489, 16.5558, 14.4163

Sweetspot

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



15.3492, 16.5565, 23.1559



33.9355, 36.0154, 42.3556



16.1168, 19.6144, 18.7175



7.6356, 8.1077, 9.5809



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.3492, 16.5565, 23.1559



25.5794, 27.7096, 41.1928



13.8687, 13.5955, 22.6624



4.2784, 4.5509, 5.4662



5.8091, 5.4366, 20.9932



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.7053, 15.0196, 18.2391



28.4947, 24.5755, 30.5852



19.0773, 21.0346, 15.1115



4.4134, 4.3785, 4.9813



9.8091, 4.9433, 5.5846



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.3487, 16.5558, 23.1555 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 15.3487, 16.5558, 23.1555 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

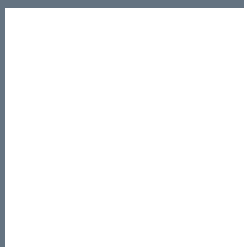
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3487, 16.5558, 23.1555

Background



This preview shows how black text looks on a background with the XYZ color 15.3487, 16.5558, 23.1555.

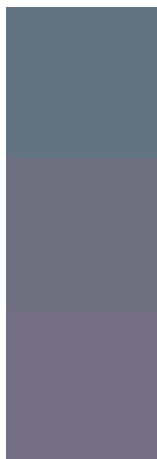


This preview shows how white text looks on a background with the XYZ color 15.3487, 16.5558,

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

15.3487, 16.5558, 23.1555

Protanopia

16.1805, 16.5002, 22.4107

Deuteranopia

16.8077, 16.4766, 23.4135



Tritanopia

15.0927, 16.6241, 21.8153

Trichromacy



Original Color

15.3487, 16.5558, 23.1555

Protanomaly

15.8648, 16.4946, 22.7697

Deuteranomaly

16.2538, 16.5150, 23.4501

Tritanomaly

15.1569, 16.6498, 22.1535

Monochromacy



Original Color

15.3487, 16.5558, 23.1555

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.3595, 16.3064, 19.4775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3487, 16.5558, 23.1555 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(100, 115, 129)` looks like.

```
.text, #text, p{  
    color:rgb(100, 115, 129)  
}
```

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(100, 115, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 115, 129) }
```

Border

The CSS property to change the border of an element to XYZ 15.3487, 16.5558, 23.1555 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(100, 115, 129) }
```


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

```
.border{ border-color:rgb(100, 115, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 115, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 115, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 115, 129);  
box-shadow:4px 4px 4px 4px rgb(100, 115,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3487, 16.5558, 23.1555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 115, 129) }
```

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

```
.background{ background-color: rgb(100,  
115, 129) }
```

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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