

Converting Colors

XYZ(15.6284, 22.9910, 15.3493)

Have a look what the booklet for
XYZ(15.6284, 22.9910, 15.3493)
contains.

XYZ(15.6729, 23.0783, 15.4329)	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(15.6729, 23.0783,
15.4329)**

Conversions

Conversions Part 1

Format	Color
Hex	4E9263
RGB	78, 146, 99
RGB Percent	31%, 57%, 39%
CMY	0.6941, 0.4274, 0.6118
CMYK	0.47, 0.00, 0.32, 0.43
HSL	139°, 30%, 44%
HSV	139°, 47%, 57%
XYZ	15.6729, 23.0783, 15.4329
YIQ	120.3100, -25.4410, -29.0330

Conversions

Conversions Part 2

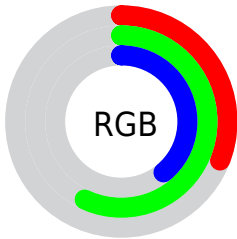
Format	Color
RYB	78, 130, 146
Decimal	5149283
CIELab	55.15, -32.51, 18.40
CIElCh	55, 37.356, 150.492
Yxy	23.0783, 0.2893, 0.4259
Android (android.graphics.Color)	4283339363 (0xFF4E9263)
YUV	120.3100, -10.5058, -37.1059
Hunter-Lab	48.0399, -25.8346, 14.5809

Details

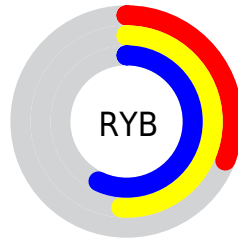
The XYZ color **15.6729, 23.0783, 15.4329** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.2809, 13.0409, 20.9565**, and the grayscale version is **17.9908, 18.9278, 20.6123**.

A 20% lighter version of the original color is **35.5194, 48.3359, 36.3118**, and **5.0654, 8.6145, 4.6446** is the 20% darker color. If you saturate the color by 10%, you get **14.1543, 22.3484, 12.9991**, and if you desaturate by 10%, it is **17.5186, 23.9712, 18.1978**.

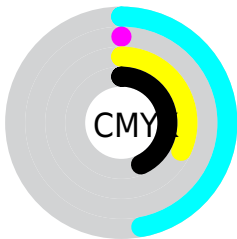
Distribution



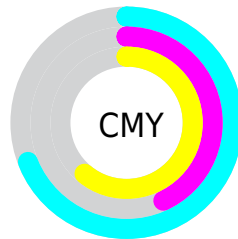
- Red (31%)
- Green (57%)
- Blue (39%)



- Red (31%)
- Yellow (51%)
- Blue (57%)



- Cyan (47%)
- Magenta (0%)
- Yellow (32%)
- Black (43%)



- Cyan (69%)
- Magenta (43%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6729, 23.0783, 15.4329 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 15.6729, 23.0783, 15.4329 by changing the saturation by 10% instead.

■ 15.6729, 23.0783,
15.4329

■ 15.6729, 23.0783,
15.4329

220.7123,
268.1269, 237.7021

■ 9.3824, 14.6513,
8.9738

■ 35.5915, 48.5219,
36.3638

■ 5.0505, 8.5751,
4.6275

■ 49.9502, 66.3073,
51.6727

■ 2.3120, 4.4651,
1.9755

■ 67.7290, 87.9809,
70.7686

■ 0.8008, 1.9370,
0.5402

■ 89.2933, 113.9272,
94.0701

■ 0.0000, 0.5705,
0.0000

■ 115.0085,
144.5306, 121.9956

■ 0.0000, 0.0000,
0.0000

145.2398,

180.1754, 154.9637

180.3526,
221.2460, 193.3930

■ 15.6729, 23.0783,
15.4329

■ 15.6729, 23.0783,
15.4329

■ 14.1543, 22.3484,
12.9991

■ 17.5186, 23.9712,
18.1978

■ 12.9410, 21.7685,
10.8823

■ 19.7079, 25.0333,
21.3041

■ 12.0114, 21.3284,
9.0697


■ 22.2582, 26.2741,
24.7634


■ 11.3397, 21.0152,
7.5470


■ 25.1852, 27.7014,
28.5865


■ 10.8867, 20.8088,
6.2983


■ 28.5038, 29.3228,
32.7837

 10.7547, 20.7488,
5.9297

 32.2279, 31.1451,
37.3647

 36.3709, 33.1750,
42.3391

 40.9453, 35.4190,
47.7159

 45.9633, 37.8829,
53.5041

Harmonies

Analogous

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



18.1143, 23.0783, 10.0841



15.6729, 23.0783, 15.4329



14.8568, 23.0783, 25.3261

Triad

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



15.6729, 23.0783, 15.4329



22.0042, 23.0783, 55.7818



29.5923, 23.0783, 15.1874

Complementary

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



15.6729, 23.0783, 15.4329



18.2809, 13.0409, 20.9565

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.



30.9661, 23.0783, 24.9317



15.6729, 23.0783, 15.4329



26.2589, 23.0783, 50.5531

Square

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



15.6729, 23.0783, 15.4329



18.2195, 23.0783, 50.8680



29.6765, 23.0783, 38.2153



26.1247, 23.0783, 9.9772

Rectangle

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



15.6729, 23.0783, 15.4329



15.2512, 23.0783, 34.0517



29.6765, 23.0783, 38.2153



30.3326, 23.0783, 17.9184

Sweetspot

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



15.6735, 23.0793, 15.4334



40.3882, 46.8962, 45.1722



20.2002, 25.5141, 11.0680



8.7728, 10.3293, 9.7685



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.6735, 23.0793, 15.4334



24.8356, 39.3596, 22.7082



17.6138, 23.8554, 25.6507



5.7990, 6.4962, 6.5523



9.4729, 18.2619, 5.2657



0.1280, 0.2283, 0.1278

Inverse Universe

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



18.2809, 13.0409, 20.9565



30.0137, 19.3738, 33.6396



16.4934, 12.3260, 11.5440



5.9598, 5.8790, 6.8946



12.5052, 6.2071, 11.4073



0.1663, 0.0813, 0.2094

Previews

White Background



This preview shows how the XYZ color 15.6729, 23.0783, 15.4329 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 15.6729, 23.0783, 15.4329 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 15.6729, 23.0783, 15.4329

Background



This preview shows how black text looks on a background with the XYZ color 15.6729, 23.0783, 15.4329.



This preview shows how white text looks on a background with the XYZ color 15.6729, 23.0783,

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

15.6729, 23.0783, 15.4329

Protanopia

21.2474, 22.7737, 13.6318

Deuteranopia

23.0459, 22.6733, 15.9937



Tritanopia

19.1804, 23.1642, 32.7384

Trichromacy



Original Color

15.6729, 23.0783, 15.4329

Protanomaly

18.4775, 22.3565, 14.1678

Deuteranomaly

19.3900, 22.1700, 15.8276

Tritanomaly

17.6756, 22.9904, 25.3358

Monochromacy



Original Color

15.6729, 23.0783, 15.4329

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

16.6006, 19.8736, 18.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6729, 23.0783, 15.4329 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(78, 146, 99)` looks like.

```
.text, #text, p{  
    color:rgb(78, 146, 99)  
}
```

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(78, 146, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 146, 99) }
```

Border

The CSS property to change the border of an element to XYZ 15.6729, 23.0783, 15.4329 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(78, 146, 99) }
```


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

```
.border{ border-color:rgb(78, 146, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 146, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 146, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 146, 99);  
box-shadow:4px 4px 4px 4px rgb(78, 146,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6729, 23.0783, 15.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 146, 99) }
```

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

```
.background{ background-color: rgb(78, 146,  
99) }
```

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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