

Converting Colors

XYZ(15.6825, 26.9142, 8.5732)

Have a look what the booklet for
XYZ(15.6825, 26.9142, 8.5732)
contains.

XYZ(15.6486, 26.8955, 8.5043)	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(15.6486, 26.8955,
8.5043)**

Conversions

Conversions Part 1

Format	Color
Hex	40A13B
RGB	64, 161, 59
RGB Percent	25%, 63%, 23%
CMY	0.7490, 0.3686, 0.7686
CMYK	0.60, 0.00, 0.63, 0.37
HSL	117°, 46%, 43%
HSV	117°, 63%, 63%
XYZ	15.6486, 26.8955, 8.5043
YIQ	120.3690, -25.0700, -52.2860

Conversions

Conversions Part 2

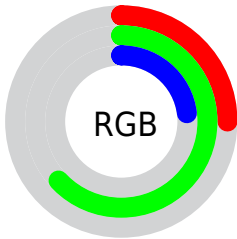
Format	Color
RYB	59, 161, 156
Decimal	4235579
CIELab	58.88, -48.71, 43.61
CIElCh	59, 65.376, 138.162
Yxy	26.8955, 0.3065, 0.5269
Android (android.graphics.Color)	4282425659 (0xFF40A13B)
YUV	120.3690, -30.2549, -49.4356
Hunter-Lab	51.8609, -36.8956, 26.5801

Details

The XYZ color **15.6486, 26.8955, 8.5043** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **21.7091, 12.7702, 35.0404**, and the grayscale version is **18.0712, 19.0123, 20.7044**.

A 20% lighter version of the original color is **35.6534, 54.8891, 23.4674**, and **5.3680, 10.7273, 1.8164** is the 20% darker color. If you saturate the color by 10%, you get **14.4313, 26.3098, 6.5939**, and if you desaturate by 10%, it is **17.2694, 27.6759, 11.1070**.

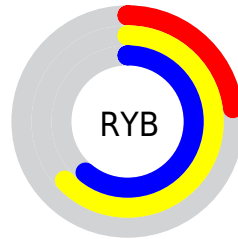
Distribution



Red (25%)

Green (63%)

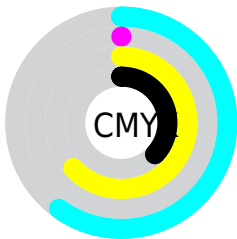
Blue (23%)



Red (23%)

Yellow (63%)

Blue (61%)

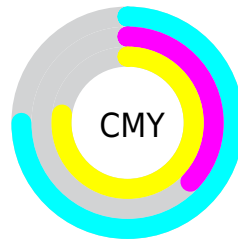


Cyan (60%)

Magenta (0%)

Yellow (63%)

Black (37%)



Cyan (75%)

Magenta (37%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6486, 26.8955, 8.5043 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 15.6486, 26.8955, 8.5043 by changing the saturation by 10% instead.

■ 15.6486, 26.8955,
8.5043

■ 15.6486, 26.8955,
8.5043

220.5705,
287.1508, 189.7155

■ 9.3651, 17.4948,
4.3269

■ 35.5495, 54.7161,
23.5036

■ 5.0391, 10.5879,
1.8064

■ 49.8976, 73.9048,
35.1626

■ 2.3052, 5.7904,
0.4321

■ 67.6645, 97.1249,
50.1525

■ 0.7973, 2.7181,
0.0000

■ 89.2158, 124.7609,
68.8920

■ 0.0000, 0.9864,
0.0000

■ 114.9167,
157.1970, 91.7995

■ 0.0000, 0.0000,
0.0000

■ 145.1325,

194.8178, 119.2935

180.2287,
238.0076, 151.7927

■ 15.6486, 26.8955,
8.5043

■ 15.6486, 26.8955,
8.5043

■ 14.4313, 26.3098,
6.5939

■ 17.2694, 27.6759,
11.1070

■ 13.5803, 25.8987,
5.3082

■ 19.3228, 28.6625,
14.4577

■ 13.0548, 25.6436,
4.5693

■ 21.8376, 29.8696,
18.6085

■ 12.8441, 25.5417,
4.2531

■ 24.8394, 31.3096,
23.6062

■ 28.3521, 32.9938,
29.4941

■ 32.3979, 34.9327,
36.3127

■ 36.9977, 37.1364,
44.0997

■ 42.1713, 39.6143,
52.8910

■ 47.9376, 42.3753,
62.7205

Harmonies

Analogous

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



21.0206, 26.8955, 4.0899



15.6486, 26.8955, 8.5043



13.1745, 26.8955, 21.0729

Triad

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



15.6486, 26.8955, 8.5043



22.5071, 26.8955, 97.9737



43.3469, 26.8955, 17.4912

Complementary

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



15.6486, 26.8955, 8.5043



21.7091, 12.7702, 35.0404

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.



43.9806, 26.8955, 39.3927



15.6486, 26.8955, 8.5043



30.7175, 26.8955, 95.1600

Square

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



15.6486, 26.8955, 8.5043



16.5385, 26.8955, 76.5081



38.9713, 26.8955, 70.1129



37.3883, 26.8955, 7.0716

Rectangle

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



15.6486, 26.8955, 8.5043



13.0635, 26.8955, 36.0654



38.9713, 26.8955, 70.1129



44.2296, 26.8955, 23.4119

Sweetspot

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



15.6492, 26.8966, 8.5049



46.8850, 57.2221, 46.2929



27.3603, 31.6377, 8.8028



9.9245, 12.3780, 9.5534



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.6492, 26.8966, 8.5049



25.1478, 46.7805, 10.7426



17.0941, 27.4387, 17.7338



7.0162, 7.9108, 7.5372



10.2681, 20.4039, 3.3972



0.2248, 0.4334, 0.0718

Inverse Universe

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



21.7091, 12.7702, 35.0404



36.8420, 19.3668, 62.1829



19.3632, 11.9459, 17.5361



7.3299, 7.1844, 8.9035



15.6573, 7.4781, 27.5480



0.3387, 0.1621, 0.5793

Previews

White Background



This preview shows how the XYZ color 15.6486, 26.8955, 8.5043 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 15.6486, 26.8955, 8.5043 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 15.6486, 26.8955, 8.5043

Background



This preview shows how black text looks on a background with the XYZ color 15.6486, 26.8955, 8.5043.



This preview shows how white text looks on a background with the XYZ color 15.6486, 26.8955,

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

15.6486, 26.8955, 8.5043

Protanopia

24.0721, 26.4749, 7.2096

Deuteranopia

26.9938, 26.4541, 8.9936



Tritanopia

21.7020, 26.8523, 38.6895

Trichromacy



Original Color

15.6486, 26.8955, 8.5043



Protanomaly

19.4479, 25.6666, 7.5436



Deuteranomaly

20.7302, 25.3850, 8.6577



Tritanomaly

18.6475, 26.5856, 23.5508

Monochromacy



Original Color

15.6486, 26.8955, 8.5043



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.1241, 20.9191, 14.7432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6486, 26.8955, 8.5043 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(64, 161, 59)` looks like.

```
.text, #text, p{  
    color:rgb(64, 161, 59)  
}
```

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(64, 161, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 161, 59) }
```

Border

The CSS property to change the border of an element to XYZ 15.6486, 26.8955, 8.5043 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(64, 161, 59) }
```


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

```
.border{ border-color:rgb(64, 161, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 161, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 161, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 161, 59);  
box-shadow:4px 4px 4px 4px rgb(64, 161,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6486, 26.8955, 8.5043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 161, 59) }
```

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

```
.background{ background-color: rgb(64, 161,  
59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor