

Converting Colors

XYZ(12.6869, 23.3502, 8.3946)

Have a look what the booklet for
XYZ(12.6869, 23.3502, 8.3946)
contains.

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Color

**XYZ(12.6867, 23.3499,
8.3957)**

Conversions

Conversions Part 1

Format	Color
Hex	1A993E
RGB	26, 153, 62
RGB Percent	10%, 60%, 24%
CMY	0.8980, 0.4000, 0.7569
CMYK	0.83, 0.00, 0.59, 0.40
HSL	137°, 71%, 35%
HSV	137°, 83%, 60%
XYZ	12.6867, 23.3499, 8.3957
YIQ	104.6530, -46.4810, -55.2250

Conversions

Conversions Part 2

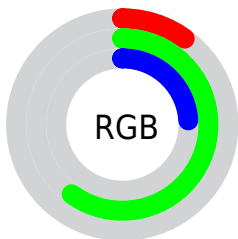
Format	Color
R_{YB}	26, 125, 153
Decimal	1743166
CIE _{Lab}	55.43, -52.36, 38.03
CIE _{LCh}	55, 64.717, 144.009
Yxy	23.3499, 0.2855, 0.5255
Android (android.graphics.Color)	4279933246 (0xFF1A993E)
YUV	104.6530, -21.0279, -68.9787
Hunter-Lab	48.3217, -37.6985, 23.5238

Details

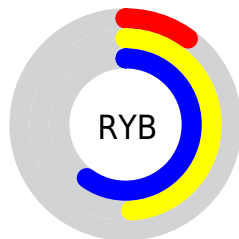
The XYZ color **12.6867, 23.3499, 8.3957** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.7177, 8.7957, 17.6463**, and the grayscale version is **13.3978, 14.0955, 15.3500**.

A 20% lighter version of the original color is **30.1998, 48.7145, 23.1404**, and **4.6120, 9.1363, 1.8076** is the 20% darker color. If you saturate the color by 10%, you get **12.1242, 23.0919, 6.9547**, and if you desaturate by 10%, it is **13.5196, 23.7416, 10.1673**.

Distribution



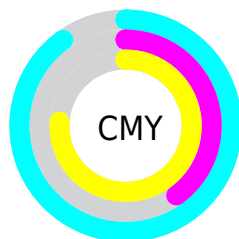
- Red (10%)
- Green (60%)
- Blue (24%)



- Red (10%)
- Yellow (49%)
- Blue (60%)



- Cyan (83%)
- Magenta (0%)
- Yellow (59%)
- Black (40%)



- Cyan (90%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6867, 23.3499, 8.3957 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 12.6867, 23.3499, 8.3957 by changing the saturation by 10% instead.

■ 12.6867, 23.3499,
8.3957

■ 12.6867, 23.3499,
8.3957

202.5783,
269.5171, 188.8525

■ 7.2887, 14.8521,
4.2578

■ 30.3459, 48.9672,
23.2894

■ 3.6912, 8.7156,
1.7678

■ 43.3378, 66.8555,
34.8824

■ 1.5290, 4.5562,
0.4066

■ 59.5916, 88.6428,
49.7974

■ 0.3454, 1.9893,
0.0000

■ 79.4729, 114.7134,
68.4530

■ 0.0000, 0.6012,
0.0000

■ 103.3468,
145.4517, 91.2678

■ 0.0000, 0.0000,
0.0000

■ 131.5788,

181.2422, 118.6603

164.5342,
222.4692, 151.0490

■ 12.6867, 23.3499,
8.3957

■ 12.6867, 23.3499,
8.3957

■ 12.1242, 23.0919,
6.9547

■ 13.5196, 23.7416,
10.1673

■ 11.8346, 22.9606,
6.1296

■ 14.6538, 24.2805,
12.2871

■ 16.1174, 24.9816,
14.7730

■ 17.9349, 25.8569,
17.6416

■ 20.1283, 26.9176,
20.9081

■ 22.7178, 28.1738,
24.5870

■ 25.7221, 29.6348,
28.6922

■ 29.1587, 31.3094,
33.2368

■ 33.0441, 33.2058,
38.2332

Harmonies

Analogous

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



16.9723, 23.3499, 3.5745



12.6867, 23.3499, 8.3957



10.9820, 23.3499, 21.4664

Triad

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



12.6867, 23.3499, 8.3957



20.7646, 23.3499, 89.7454



37.5888, 23.3499, 12.3545

Complementary

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



12.6867, 23.3499, 8.3957



16.7177, 8.7957, 17.6463

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.



39.2238, 23.3499, 29.8405



12.6867, 23.3499, 8.3957



28.3885, 23.3499, 82.4221

Square

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



12.6867, 23.3499, 8.3957



14.9434, 23.3499, 73.5950



35.5515, 23.3499, 56.9987



31.4750, 23.3499, 4.8290

Rectangle

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



12.6867, 23.3499, 8.3957



11.1959, 23.3499, 36.4132



35.5515, 23.3499, 56.9987



38.7292, 23.3499, 16.9035

Sweetspot

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



12.6873, 23.3509, 8.3962



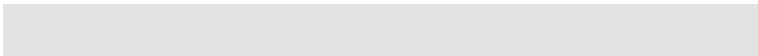
39.4620, 49.8609, 42.3220



18.9168, 26.6412, 5.1225



8.3804, 10.8481, 8.8736



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.



12.6873, 23.3509, 8.3962



21.1237, 41.0901, 10.6086



15.5505, 24.4961, 23.4737



6.2006, 6.9530, 6.9796



9.7936, 18.9809, 5.1335



0.1606, 0.2894, 0.1512

Inverse Universe

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



16.7177, 8.7957, 17.6463



28.4480, 14.0970, 27.0165



14.1614, 7.7732, 4.1848



6.3865, 6.2938, 7.4155



13.1815, 6.5269, 12.7469



0.2124, 0.1037, 0.2712

Previews

White Background



This preview shows how the XYZ color 12.6867, 23.3499, 8.3957 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 12.6867, 23.3499, 8.3957 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 12.6867, 23.3499, 8.3957

Background



This preview shows how black text looks on a background with the XYZ color 12.6867, 23.3499, 8.3957.



This preview shows how white text looks on a background with the XYZ color 12.6867, 23.3499,

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

12.6867, 23.3499, 8.3957

Protanopia

20.9977, 22.9911, 7.0724

Deuteranopia

23.4666, 23.0453, 9.0057



Tritanopia

18.0696, 23.4369, 34.5817

Trichromacy



Original Color

12.6867, 23.3499, 8.3957



Protanomaly

15.7353, 21.9452, 7.4095



Deuteranomaly

16.6273, 21.5243, 8.5884



Tritanomaly

15.2501, 22.9517, 21.7155

Monochromacy



Original Color

12.6867, 23.3499, 8.3957



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.7432, 16.1768, 11.9547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6867, 23.3499, 8.3957 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(26, 153, 62)` looks like.

```
.text, #text, p{  
    color:rgb(26, 153, 62)  
}
```

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(26, 153, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 153, 62) }
```

Border

The CSS property to change the border of an element to XYZ 12.6867, 23.3499, 8.3957 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(26, 153, 62) }
```


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

```
.border{ border-color:rgb(26, 153, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 153, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 153, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 153, 62);  
box-shadow:4px 4px 4px 4px rgb(26, 153,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6867, 23.3499, 8.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 153, 62) }
```

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

```
.background{ background-color: rgb(26, 153,  
62) }
```

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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