

Converting Colors

XYZ(23.7596, 34.6487, 8.5676)

Have a look what the booklet for
XYZ(23.7596, 34.6487, 8.5676)
contains.

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Color

**XYZ(23.7596, 34.6487,
8.5676)**

Conversions

Conversions Part 1

Format	Color
Hex	7AAE33
RGB	122, 174, 51
RGB Percent	48%, 68%, 20%
CMY	0.5216, 0.3176, 0.8000
CMYK	0.30, 0.00, 0.71, 0.32
HSL	85°, 55%, 44%
HSV	85°, 71%, 68%
XYZ	23.7596, 34.6487, 8.5676
YIQ	144.4300, 8.4910, -49.2770

Conversions

Conversions Part 2

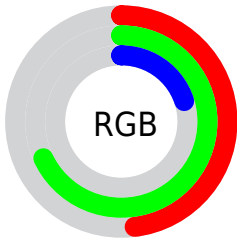
Format	Color
RYB	51, 174, 103
Decimal	8039987
CIELab	65.47, -36.21, 54.77
CIELCh	65, 65.658, 123.471
Yxy	34.6487, 0.3547, 0.5173
Android (android.graphics.Color)	4286230067 (0xFF7AAE33)
YUV	144.4300, -46.0610, -19.6711
Hunter-Lab	58.8631, -30.9605, 32.5745

Details

The XYZ color **23.7596, 34.6487, 8.5676** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **14.4190, 8.3083, 40.8901**, and the grayscale version is **26.8616, 28.2605, 30.7757**.

A 20% lighter version of the original color is **49.2067, 67.0785, 23.7186**, and **9.2213, 14.9037, 2.3907** is the 20% darker color. If you saturate the color by 10%, you get **22.4432, 34.0075, 6.8648**, and if you desaturate by 10%, it is **25.3001, 35.3910, 11.0316**.

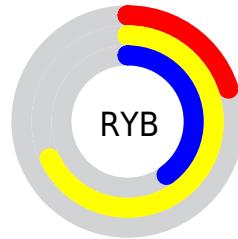
Distribution



Red (48%)

Green (68%)

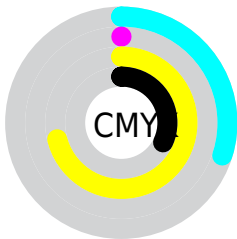
Blue (20%)



Red (20%)

Yellow (68%)

Blue (40%)

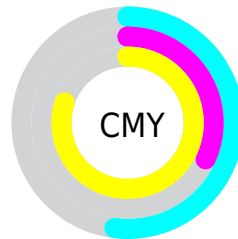


Cyan (30%)

Magenta (0%)

Yellow (71%)

Black (32%)



Cyan (52%)


Magenta (32%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7596, 34.6487, 8.5676 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 23.7596, 34.6487, 8.5676 by changing the saturation by 10% instead.


 23.7596, 34.6487,
8.5676


 23.7596, 34.6487,
8.5676


264.0659,
323.0150, 190.2164


 15.2792, 23.3924,
4.3673


 49.0952, 66.9412,
23.6282


 9.1031, 14.8835,
1.8289


 66.6810, 88.7462,
35.3255

 4.8662, 8.7377,
0.4469


 88.0326, 114.8361,
50.3589

 2.2029, 4.5705,
0.0000

 113.5155,
145.5955, 69.1470

 0.7443, 1.9975,
0.0000

 143.4949,
181.4087, 92.1082

 0.0000, 0.6060,
0.0000

 178.3362,

 0.0000, 0.0000,

222.6601, 119.6612

0.0000

218.4047,
269.7340, 152.2244

■ 23.7596, 34.6487,
8.5676

■ 23.7596, 34.6487,
8.5676

■ 22.4432, 34.0075,
6.8648

■ 25.3001, 35.3910,
11.0316

■ 21.3297, 33.4552,
5.8315

■ 27.0783, 36.2366,
14.3302

■ 20.4405, 33.0078,
5.2938

■ 29.1092, 37.1927,
18.5308

■ 31.4058, 38.2647,
23.6933

■ 33.9800, 39.4577,
29.8724

■ 36.8429, 40.7761,
37.1186

■ 40.0049, 42.2244,
45.4791

■ 43.4759, 43.8067,
54.9984

■ 47.2651, 45.5267,
65.7184

Harmonies

Analogous

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



31.8269, 34.6487, 5.7270



23.7596, 34.6487, 8.5676



19.0163, 34.6487, 18.6878

Triad

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



23.7596, 34.6487, 8.5676



25.3520, 34.6487, 107.6101



55.0251, 34.6487, 34.6136

Complementary

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



23.7596, 34.6487, 8.5676



14.4190, 8.3083, 40.8901

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.



52.3778, 34.6487, 66.6311



23.7596, 34.6487, 8.5676



34.0635, 34.6487, 118.9975

Square

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



23.7596, 34.6487, 8.5676



19.8024, 34.6487, 75.0693



44.2064, 34.6487, 101.2963



50.8688, 34.6487, 15.4256

Rectangle

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



23.7596, 34.6487, 8.5676



17.7786, 34.6487, 32.0253



44.2064, 34.6487, 101.2963



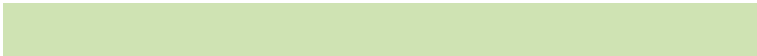
54.9042, 34.6487, 44.0672

Sweetspot

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



23.7604, 34.6502, 8.5683



61.2976, 71.4138, 53.3555



22.8305, 18.7910, 5.5562



13.3346, 15.7386, 11.1524



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.7604, 34.6502, 8.5683



39.4903, 61.0816, 11.2252



17.6746, 31.5129, 8.2835



8.3305, 9.1590, 8.5422



14.8938, 23.9751, 3.8427



0.4750, 0.6983, 0.1097

Inverse Universe

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



14.4190, 8.3083, 40.8901



21.5815, 10.3757, 73.5021



24.0835, 13.2906, 41.3424



7.8879, 7.9165, 10.0650



7.6305, 3.2935, 29.2781



0.2756, 0.1243, 0.8174

Previews

White Background



This preview shows how the XYZ color 23.7596, 34.6487, 8.5676 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.7596, 34.6487, 8.5676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

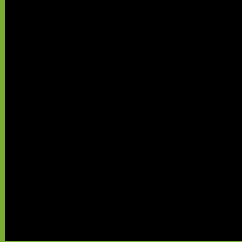
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.7596, 34.6487, 8.5676

Background



This preview shows how black text looks on a background with the XYZ color 23.7596, 34.6487, 8.5676.



This preview shows how white text looks on a background with the XYZ color 23.7596, 34.6487,

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

23.7596, 34.6487, 8.5676

Protanopia

31.2713, 34.4665, 7.6938

Deuteranopia

34.7479, 34.0093, 9.0080



Tritanopia

31.1394, 34.3391, 45.5443

Trichromacy



Original Color

23.7596, 34.6487, 8.5676

Protanomaly

27.9095, 34.0334, 7.8944

Deuteranomaly

29.7142, 33.6377, 8.7975

Tritanomaly

27.1812, 33.7897, 26.2086

Monochromacy



Original Color

23.7596, 34.6487, 8.5676

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.6892, 29.8027, 19.2031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7596, 34.6487, 8.5676 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(122, 174, 51)` looks like.

```
.text, #text, p{  
    color:rgb(122, 174, 51)  
}
```

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(122, 174, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 174, 51) }
```

Border

The CSS property to change the border of an element to XYZ 23.7596, 34.6487, 8.5676 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(122, 174, 51) }
```


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

```
.border{ border-color:rgb(122, 174, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 174, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 174, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 174, 51);  
box-shadow:4px 4px 4px 4px rgb(122, 174,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7596, 34.6487, 8.5676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 174, 51) }
```

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

```
.background{ background-color: rgb(122,  
174, 51) }
```

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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