

Converting Colors

XYZ(23.7744, 34.4136, 6.7139)

Have a look what the booklet for
XYZ(23.7744, 34.4136, 6.7139)
contains.

XYZ(23.7951, 34.4217, 6.6862)	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(23.7951, 34.4217,
6.6862)**

Conversions

Conversions Part 1

Format	Color
Hex	7EAD1F
RGB	126, 173, 31
RGB Percent	49%, 68%, 12%
CMY	0.5059, 0.3216, 0.8784
CMYK	0.27, 0.00, 0.82, 0.32
HSL	80°, 70%, 40%
HSV	80°, 82%, 68%
XYZ	23.7951, 34.4217, 6.6862
YIQ	142.7590, 17.5700, -54.1260

Conversions

Conversions Part 2

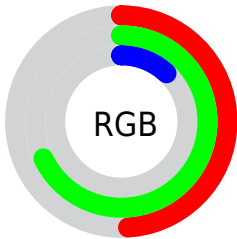
Format	Color
RYB	31, 173, 78
Decimal	8301855
CIELab	65.30, -35.29, 61.26
CIELCh	65, 70.696, 119.942
Yxy	34.4217, 0.3666, 0.5304
Android (android.graphics.Color)	4286491935 (0xFF7EAD1F)
YUV	142.7590, -55.0972, -14.6976
Hunter-Lab	58.6700, -30.2773, 34.3122

Details

The XYZ color **23.7951, 34.4217, 6.6862** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **11.1761, 5.6177, 40.0325**, and the grayscale version is **26.2211, 27.5867, 30.0419**.

A 20% lighter version of the original color is **49.1562, 66.7219, 19.9607**, and **9.3150, 14.7725, 2.3604** is the 20% darker color. If you saturate the color by 10%, you get **22.8053, 33.9322, 5.7527**, and if you desaturate by 10%, it is **24.9572, 34.9881, 8.2676**.

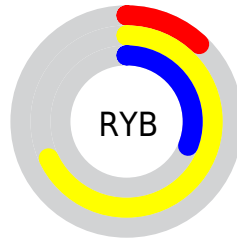
Distribution



Red (49%)

Green (68%)

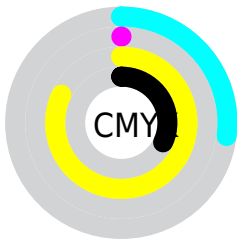
Blue (12%)



Red (12%)

Yellow (68%)

Blue (31%)

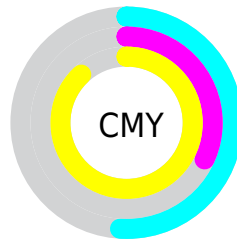


Cyan (27%)

Magenta (0%)

Yellow (82%)

Black (32%)



Cyan (51%)


Magenta (32%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7951, 34.4217, 6.6862 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 23.7951, 34.4217, 6.6862 by changing the saturation by 10% instead.


 23.7951, 34.4217,
6.6862


 23.7951, 34.4217,
6.6862


264.2427,
322.0083, 174.5610


 15.3056, 23.2177,
3.1912


 49.1527, 66.5889,
19.8411


 9.1219, 14.7544,
1.1931


 66.7516, 88.3210,
30.3381

 4.8785, 8.6472,
0.0000


 88.1176, 114.3312,
44.0061

 2.2102, 4.5118,
0.0000

 113.6162,
145.0039, 61.2637

 0.7481, 1.9638,
0.0000

 143.6126,
180.7236, 82.5294

 0.0000, 0.5863,
0.0000

 178.4722,

 0.0000, 0.0000,

221.8747, 108.2219

0.0000

218.5605,
268.8414, 138.7596

■ 23.7951, 34.4217,
6.6862

■ 23.7951, 34.4217,
6.6862

■ 22.8053, 33.9322,
5.7527

■ 24.9572, 34.9881,
8.2676

■ 22.1118, 33.5836,
5.3169

■ 26.3072, 35.6342,
10.5853

■ 27.8610, 36.3675,
13.7161

■ 29.6321, 37.1936,
17.7267

■ 31.6326, 38.1174,
22.6769

■ 33.8734, 39.1433,
28.6212

■ 36.3650, 40.2757,
35.6100

■ 39.1168, 41.5183,
43.6902

■ 42.1379, 42.8749,
52.9058

Harmonies

Analogous

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



32.7369, 34.4217, 4.5630



23.7951, 34.4217, 6.6862



18.3965, 34.4217, 15.6457

Triad

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



23.7951, 34.4217, 6.6862



23.7669, 34.4217, 111.1097



56.7824, 34.4217, 37.5370

Complementary

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



23.7951, 34.4217, 6.6862



11.1761, 5.6177, 40.0325

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.



53.0227, 34.4217, 73.6654



23.7951, 34.4217, 6.6862



32.6967, 34.4217, 127.6035

Square

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



23.7951, 34.4217, 6.6862



18.3828, 34.4217, 73.5089



43.6290, 34.4217, 111.2287



53.0504, 34.4217, 15.7015

Rectangle

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



23.7951, 34.4217, 6.6862



16.8359, 34.4217, 28.4217



43.6290, 34.4217, 111.2287



56.3441, 34.4217, 48.2820

Sweetspot

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



23.7959, 34.4232, 6.6869



59.2655, 69.4624, 47.4764



20.0644, 14.1487, 2.9702



12.5842, 14.9604, 9.5340



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.7959, 34.4232, 6.6869



39.6629, 60.1737, 9.6531



16.8813, 30.8586, 6.3633



8.4011, 9.1954, 8.5455



16.3058, 24.7030, 3.9088



0.5082, 0.7154, 0.1113

Inverse Universe

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



11.1761, 5.6177, 40.0325



16.6411, 7.0906, 71.2973



20.0608, 10.1980, 40.4483



7.8194, 7.8812, 10.0618



6.8470, 2.8896, 29.2414



0.2492, 0.1107, 0.8162

Previews

White Background



This preview shows how the XYZ color 23.7951, 34.4217, 6.6862 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 23.7951, 34.4217, 6.6862 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 23.7951, 34.4217, 6.6862

Background



This preview shows how black text looks on a background with the XYZ color 23.7951, 34.4217, 6.6862.



This preview shows how white text looks on a background with the XYZ color 23.7951, 34.4217,

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

23.7951, 34.4217, 6.6862

Protanopia

30.7848, 33.9978, 5.9766

Deuteranopia

34.6497, 34.0003, 7.1194



Tritanopia

31.5402, 34.2965, 45.0019

Trichromacy



Original Color

23.7951, 34.4217, 6.6862

Protanomaly

27.6049, 33.6492, 6.1386

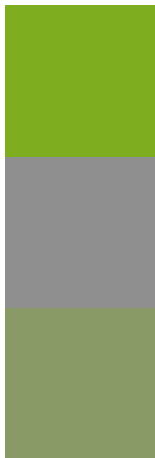
Deuteranomaly

29.6063, 33.3709, 6.8003

Tritanomaly

27.1213, 33.5496, 23.4586

Monochromacy



Original Color

23.7951, 34.4217, 6.6862

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.2704, 29.3889, 16.9638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7951, 34.4217, 6.6862 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(126, 173, 31)` looks like.

```
.text, #text, p{  
    color:rgb(126, 173, 31)  
}
```

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(126, 173, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 173, 31) }
```

Border

The CSS property to change the border of an element to XYZ 23.7951, 34.4217, 6.6862 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(126, 173, 31) }
```


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

```
.border{ border-color:rgb(126, 173, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 173, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 173, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 173, 31);  
box-shadow:4px 4px 4px 4px rgb(126, 173,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7951, 34.4217, 6.6862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 173, 31) }
```

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

```
.background{ background-color: rgb(126,  
173, 31) }
```

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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