

Converting Colors

XYZ(24.6272, 33.8946, 6.7868)

Have a look what the booklet for
XYZ(24.6272, 33.8946, 6.7868)
contains.

XYZ(24.6551, 34.0158, 6.7796)	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(24.6551, 34.0158,
6.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	87AA22
RGB	135, 170, 34
RGB Percent	53%, 67%, 13%
CMY	0.4706, 0.3333, 0.8666
CMYK	0.21, 0.00, 0.80, 0.33
HSL	75°, 67%, 40%
HSV	75°, 80%, 67%
XYZ	24.6551, 34.0158, 6.7796
YIQ	144.0310, 22.7960, -49.7160

Conversions

Conversions Part 2

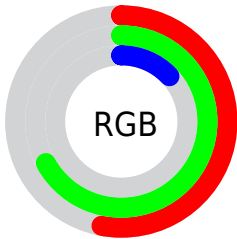
Format	Color
RYB	34, 170, 69
Decimal	8890914
CIELab	64.98, -30.15, 60.34
CIELCh	65, 67.456, 116.550
Yxy	34.0158, 0.3767, 0.5197
Android (android.graphics.Color)	4287080994 (0xFF87AA22)
YUV	144.0310, -54.2453, -7.9202
Hunter-Lab	58.3231, -26.6075, 33.9341

Details

The XYZ color **24.6551, 34.0158, 6.7796** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.2833, 5.3124, 38.5156**, and the grayscale version is **26.7280, 28.1199, 30.6226**.

A 20% lighter version of the original color is **50.5518, 65.8122, 19.9362**, and **9.7867, 14.6623, 2.3143** is the 20% darker color. If you saturate the color by 10%, you get **23.7786, 33.5867, 5.7602**, and if you desaturate by 10%, it is **25.6834, 34.5113, 8.4404**.

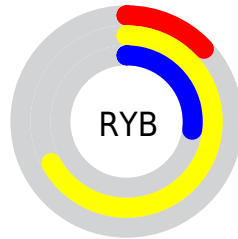
Distribution



Red (53%)

Green (67%)

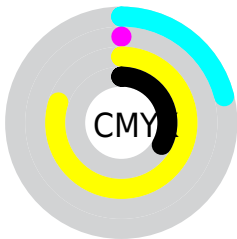
Blue (13%)



Red (13%)

Yellow (67%)

Blue (27%)

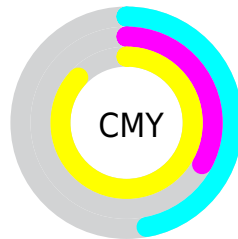


Cyan (21%)

Magenta (0%)

Yellow (80%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6551, 34.0158, 6.7796 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 24.6551, 34.0158, 6.7796 by changing the saturation by 10% instead.

■ 24.6551, 34.0158,
6.7796

■ 24.6551, 34.0158,
6.7796

268.4954,
320.2025, 175.3804

■ 15.9476, 22.9057,
3.2483

■ 50.5441, 65.9582,
20.0337

■ 9.5777, 14.5239,
1.2228

■ 68.4563, 87.5594,
30.5936

■ 5.1800, 8.4860,
0.0000

■ 90.1675, 113.4264,
44.3334

■ 2.3891, 4.4074,
0.0000

■ 116.0430,
143.9436, 61.6717

■ 0.8397, 1.9040,
0.0000

■ 146.4482,
179.4954, 83.0270

■ 0.0000, 0.5508,
0.0000

■ 181.7484,

■ 0.0000, 0.0000,

220.4662, 108.8179

0.0000

222.3090,
267.2405, 139.4628

■ 24.6551, 34.0158,
6.7796

■ 24.6551, 34.0158,
6.7796

■ 23.7786, 33.5867,
5.7602

■ 25.6834, 34.5113,
8.4404

■ 23.0163, 33.2055,
5.1964

■ 26.8772, 35.0753,
10.8235

■ 23.0161, 33.2053,
5.1962

■ 28.2511, 35.7147,
14.0004

■ 29.8173, 36.4344,
18.0333

■ 31.5866, 37.2389,
22.9783

■ 33.5692, 38.1322,
28.8866

■ 35.7743, 39.1182,
35.8058

■ 38.2107, 40.2002,
43.7802

■ 40.8867, 41.3817,
52.8516

Harmonies

Analogous

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



33.4721, 34.0158, 5.1393



24.6551, 34.0158, 6.7796



19.0770, 34.0158, 14.6271

Triad

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



24.6551, 34.0158, 6.7796



23.0601, 34.0158, 102.3154



54.8843, 34.0158, 40.3626

Complementary

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



24.6551, 34.0158, 6.7796



10.2833, 5.3124, 38.5156

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.



50.6293, 34.0158, 75.2096



24.6551, 34.0158, 6.7796



31.2161, 34.0158, 120.6253

Square

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



24.6551, 34.0158, 6.7796



18.2944, 34.0158, 66.5894



41.4545, 34.0158, 108.8080



52.1656, 34.0158, 17.8503

Rectangle

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



24.6551, 34.0158, 6.7796



17.3118, 34.0158, 25.9014



41.4545, 34.0158, 108.8080



54.2038, 34.0158, 50.9800

Sweetspot

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



24.6559, 34.0173, 6.7803



59.2593, 68.4437, 47.4301



18.9347, 12.7969, 2.9859



12.9404, 15.1393, 9.7643



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.



24.6559, 34.0173, 6.7803



42.0732, 60.4014, 9.6960



17.0486, 30.0956, 6.4243



7.9556, 8.6752, 8.0444



16.9838, 24.4527, 3.8247



0.4567, 0.6174, 0.0951

Inverse Universe

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



10.2833, 5.3124, 38.5156



15.3554, 6.5382, 69.4546



17.9823, 9.2814, 38.8759



7.3061, 7.3904, 9.4598



6.1392, 2.5483, 28.1438



0.1956, 0.0858, 0.6869

Previews

White Background



This preview shows how the XYZ color 24.6551, 34.0158, 6.7796 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 24.6551, 34.0158, 6.7796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

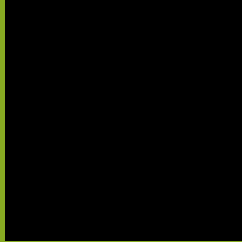
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.6551, 34.0158, 6.7796

Background



This preview shows how black text looks on a background with the XYZ color 24.6551, 34.0158, 6.7796.



This preview shows how white text looks on a background with the XYZ color 24.6551, 34.0158,

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

24.6551, 34.0158, 6.7796

Protanopia

30.6056, 33.8998, 6.2265

Deuteranopia

34.2471, 33.5547, 7.1543



Tritanopia

31.9720, 33.7836, 43.3639

Trichromacy



Original Color

24.6551, 34.0158, 6.7796

Protanomaly

28.0813, 33.6263, 6.3770

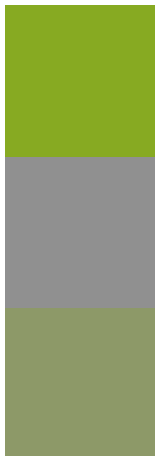
Deuteranomaly

29.9128, 33.2727, 6.9435

Tritanomaly

27.8731, 33.1504, 23.0188

Monochromacy



Original Color

24.6551, 34.0158, 6.7796

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

24.8744, 29.4447, 17.4691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6551, 34.0158, 6.7796 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(135, 170, 34)` looks like.

```
.text, #text, p{  
    color:rgb(135, 170, 34)  
}
```

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(135, 170, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 170, 34) }
```

Border

The CSS property to change the border of an element to XYZ 24.6551, 34.0158, 6.7796 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(135, 170, 34) }
```


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

```
.border{ border-color:rgb(135, 170, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 170, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 170, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 170, 34);  
box-shadow:4px 4px 4px 4px rgb(135, 170,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6551, 34.0158, 6.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 170, 34) }
```

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

```
.background{ background-color: rgb(135,  
170, 34) }
```

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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