

Converting Colors

XYZ(23.2130, 34.2062, 8.0601)

Have a look what the booklet for
XYZ(23.2130, 34.2062, 8.0601)
contains.

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Color

**XYZ(23.2024, 34.0854,
8.0456)**

Conversions

Conversions Part 1

Format	Color
Hex	78AD2F
RGB	120, 173, 47
RGB Percent	47%, 68%, 18%
CMY	0.5294, 0.3216, 0.8157
CMYK	0.31, 0.00, 0.73, 0.32
HSL	85°, 57%, 43%
HSV	85°, 73%, 68%
XYZ	23.2024, 34.0854, 8.0456
YIQ	142.7890, 8.8580, -50.4220

Conversions

Conversions Part 2

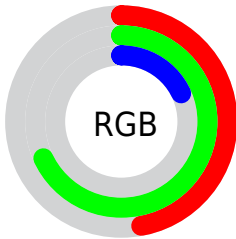
Format	Color
RYB	47, 173, 100
Decimal	7908655
CIELab	65.03, -36.78, 55.78
CIElCh	65, 66.815, 123.399
Yxy	34.0854, 0.3551, 0.5217
Android (android.graphics.Color)	4286098735 (0xFF78AD2F)
YUV	142.7890, -47.2240, -19.9860
Hunter-Lab	58.3827, -31.2304, 32.6973

Details

The XYZ color **23.2024, 34.0854, 8.0456** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **13.8164, 7.7605, 40.3068**, and the grayscale version is **26.2050, 27.5697, 30.0234**.

A 20% lighter version of the original color is **48.2728, 66.2083, 22.5472**, and **8.8964, 14.5568, 2.3408** is the 20% darker color. If you saturate the color by 10%, you get **21.9492, 33.4731, 6.5127**, and if you desaturate by 10%, it is **24.6722, 34.7956, 10.3120**.

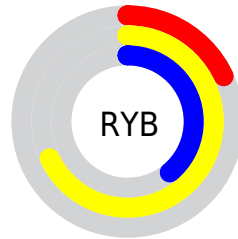
Distribution



Red (47%)

Green (68%)

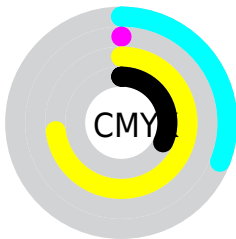
Blue (18%)



Red (18%)

Yellow (68%)

Blue (39%)

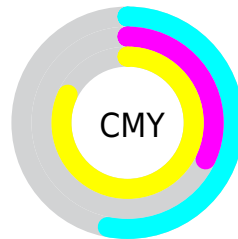


Cyan (31%)

Magenta (0%)

Yellow (73%)

Black (32%)



Cyan (53%)

Magenta (32%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2024, 34.0854, 8.0456 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 23.2024, 34.0854, 8.0456 by changing the saturation by 10% instead.

■ 23.2024, 34.0854,
8.0456

■ 23.2024, 34.0854,
8.0456

261.2788,
320.5127, 186.0372

■ 14.8645, 22.9592,
4.0359

■ 48.1897, 66.0665,
22.5954

■ 8.8101, 14.5634,
1.6451

■ 65.5698, 87.6901,
33.9727

■ 4.6736, 8.5135,
0.3227

■ 86.6947, 113.5817,
48.6429

■ 2.0898, 4.4253,
0.0000

■ 111.9298,
144.1256, 67.0246

■ 0.6837, 1.9142,
0.0000

■ 141.6404,
179.7063, 89.5364

■ 0.0000, 0.5569,
0.0000

■ 176.1919,

■ 0.0000, 0.0000,

220.7081, 116.5967

0.0000

215.9496,
267.5154, 148.6241

■ 23.2024, 34.0854,
8.0456

■ 23.2024, 34.0854,
8.0456

■ 21.9492, 33.4731,
6.5127

■ 24.6722, 34.7956,
10.3120

■ 20.8912, 32.9463,
5.6191

■ 26.3726, 35.6059,
13.3868

■ 20.2249, 32.6108,
5.2286

■ 28.3186, 36.5236,
17.3381

■ 30.5233, 37.5543,
22.2260

■ 32.9986, 38.7028,
28.1055

■ 35.7556, 39.9737,
35.0273

■ 38.8046, 41.3714,
43.0386

■ 42.1554, 42.8998,
52.1837

■ 45.8173, 44.5630,
62.5044

Harmonies

Analogous

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



31.3073, 34.0854, 5.2967



23.2024, 34.0854, 8.0456



18.4540, 34.0854, 18.0113

Triad

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



23.2024, 34.0854, 8.0456



24.7645, 34.0854, 107.9874



54.7272, 34.0854, 34.0450

Complementary

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



23.2024, 34.0854, 8.0456



13.8164, 7.7605, 40.3068

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.



52.0276, 34.0854, 66.4273



23.2024, 34.0854, 8.0456



33.5120, 34.0854, 119.6831

Square

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



23.2024, 34.0854, 8.0456



19.2219, 34.0854, 74.8182



43.7474, 34.0854, 101.6802



50.5306, 34.0854, 14.8412

Rectangle

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



23.2024, 34.0854, 8.0456



17.2151, 34.0854, 31.3223



43.7474, 34.0854, 101.6802



54.5989, 34.0854, 43.5772

Sweetspot

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



23.2032, 34.0869, 8.0463



59.3055, 69.4085, 50.8454



22.2574, 18.1095, 5.0122



12.6263, 14.9627, 10.4119



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.



23.2032, 34.0869, 8.0463



38.1896, 59.3912, 10.6244



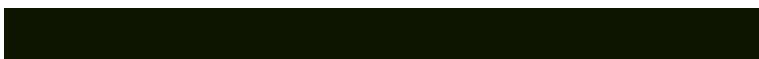
17.1737, 30.9786, 7.7642



8.3321, 9.1598, 8.5422



14.9238, 23.9906, 3.8441



0.4758, 0.6986, 0.1098

Inverse Universe

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



13.8164, 7.7605, 40.3068



20.5456, 9.6896, 71.5932



23.5627, 12.7849, 40.7629



7.8863, 7.9157, 10.0649



7.6098, 3.2829, 29.2771



0.2750, 0.1240, 0.8174

Previews

White Background



This preview shows how the XYZ color 23.2024, 34.0854, 8.0456 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 23.2024, 34.0854, 8.0456 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 23.2024, 34.0854, 8.0456

Background



This preview shows how black text looks on a background with the XYZ color 23.2024, 34.0854, 8.0456.



This preview shows how white text looks on a background with the XYZ color 23.2024, 34.0854,

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

23.2024, 34.0854, 8.0456

Protanopia

30.5674, 33.8582, 7.2097

Deuteranopia

34.2262, 33.5162, 8.4067



Tritanopia

30.5382, 33.7800, 44.9551

Trichromacy



Original Color

23.2024, 34.0854, 8.0456

Protanomaly

27.2621, 33.4442, 7.4014

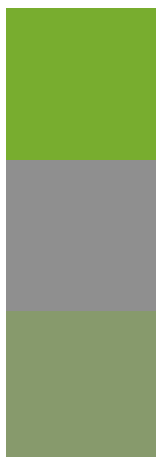
Deuteranomaly

29.0179, 33.0356, 8.2153

Tritanomaly

26.5573, 33.2146, 25.4334

Monochromacy



Original Color

23.2024, 34.0854, 8.0456

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.2540, 29.3448, 18.5731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2024, 34.0854, 8.0456 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(120, 173, 47)` looks like.

```
.text, #text, p{  
    color:rgb(120, 173, 47)  
}
```

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(120, 173, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 173, 47) }
```

Border

The CSS property to change the border of an element to XYZ 23.2024, 34.0854, 8.0456 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(120, 173, 47) }
```


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

```
.border{ border-color:rgb(120, 173, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 173, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 173, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 173, 47);  
box-shadow:4px 4px 4px 4px rgb(120, 173,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2024, 34.0854, 8.0456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 173, 47) }
```

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

```
.background{ background-color: rgb(120,  
173, 47) }
```

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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