

Converting Colors

XYZ(23.5498, 31.1399, 9.5365)

Have a look what the booklet for
XYZ(23.5498, 31.1399, 9.5365)
contains.

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Color

**XYZ(23.6490, 31.2679,
9.4915)**

Conversions

Conversions Part 1

Format	Color
Hex	86A23F
RGB	134, 162, 63
RGB Percent	53%, 64%, 25%
CMY	0.4745, 0.3647, 0.7529
CMYK	0.17, 0.00, 0.61, 0.36
HSL	77°, 44%, 44%
HSV	77°, 61%, 64%
XYZ	23.6490, 31.2679, 9.4915
YIQ	142.3420, 15.0910, -36.7250

Conversions

Conversions Part 2

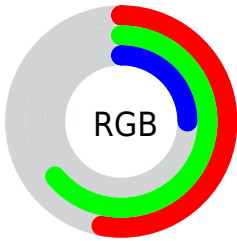
Format	Color
RYB	63, 162, 91
Decimal	8823359
CIELab	62.73, -24.89, 47.07
CIELCh	63, 53.242, 117.866
Yxy	31.2679, 0.3672, 0.4855
Android (android.graphics.Color)	4287013439 (0xFF86A23F)
YUV	142.3420, -39.1156, -7.3159
Hunter-Lab	55.9177, -22.3639, 29.0785

Details

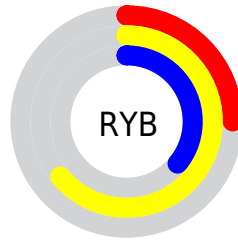
The XYZ color **23.6490, 31.2679, 9.4915** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.6148, 8.3887, 35.1386**, and the grayscale version is **25.9935, 27.3472, 29.7811**.

A 20% lighter version of the original color is **48.8936, 61.6823, 25.5486**, and **8.9967, 12.9121, 2.1617** is the 20% darker color. If you saturate the color by 10%, you get **22.5468, 30.7456, 7.4146**, and if you desaturate by 10%, it is **24.9175, 31.8626, 12.2728**.

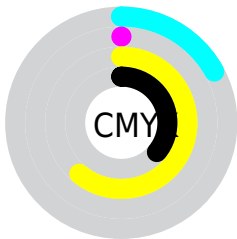
Distribution



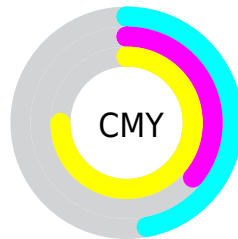
- Red (53%)
- Green (64%)
- Blue (25%)



- Red (25%)
- Yellow (64%)
- Blue (36%)



- Cyan (17%)
- Magenta (0%)
- Yellow (61%)
- Black (36%)



- Cyan (47%)
- Magenta (36%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6490, 31.2679, 9.4915 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 23.6490, 31.2679, 9.4915 by changing the saturation by 10% instead.

■ 23.6490, 31.2679,
9.4915

■ 23.6490, 31.2679,
9.4915

263.5146,
307.7706, 197.3544

■ 15.1968, 20.8029,
4.9620

■ 48.9157, 61.6616,
25.4273

■ 9.0448, 12.9800,
2.1666

■ 66.4608, 82.3591,
37.6706

■ 4.8278, 7.4148,
0.6550

■ 87.7677, 107.2363,
53.3222

■ 2.1803, 3.7228,
0.0000

■ 113.2015,
136.6775, 72.8007

■ 0.7323, 1.5198,
0.0000

■ 143.1278,
171.0672, 96.5247

■ 0.0000, 0.3026,
0.0000

177.9119,

■ 0.0000, 0.0000,

210.7896, 124.9126

0.0000

217.9190,
256.2293, 158.3830

■ 23.6490, 31.2679,
9.4915

■ 23.6490, 31.2679,
9.4915

■ 22.5468, 30.7456,
7.4146

■ 24.9175, 31.8626,
12.2728

■ 21.5964, 30.2864,
5.9766

■ 26.3612, 32.5300,
15.8125

■ 20.7837, 29.8860,
5.1031

■ 27.9908, 33.2755,
20.1615

■ 20.1471, 29.5673,
4.6452

■ 29.8152, 34.1028,
25.3658

■ 31.8431, 35.0152,
31.4679

■ 34.0822, 36.0160,
38.5075

■ 36.5400, 37.1082,
46.5219

■ 39.2236, 38.2947,
55.5464

■ 42.1396, 39.5781,
65.6145

Harmonies

Analogous

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



30.2430, 31.2679, 7.6542



23.6490, 31.2679, 9.4915



19.3784, 31.2679, 16.8741

Triad

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



23.6490, 31.2679, 9.4915



22.8829, 31.2679, 80.4818



46.0029, 31.2679, 35.5587

Complementary

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



23.6490, 31.2679, 9.4915



12.6148, 8.3887, 35.1386

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.



43.2072, 31.2679, 60.1068



23.6490, 31.2679, 9.4915



29.2015, 31.2679, 91.8164

Square

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



23.6490, 31.2679, 9.4915



18.9894, 31.2679, 56.4118



36.7482, 31.2679, 83.1575



43.8790, 31.2679, 18.5442

Rectangle

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



23.6490, 31.2679, 9.4915



18.0344, 31.2679, 26.3004



36.7482, 31.2679, 83.1575



45.5989, 31.2679, 43.1787

Sweetspot

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



23.6497, 31.2693, 9.4922



55.1059, 62.3507, 48.9468



19.4044, 15.2528, 6.6244



12.1541, 13.9033, 10.3360



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.6497, 31.2693, 9.4922



40.3349, 55.5278, 12.4820



17.6656, 28.1844, 9.2121



7.4532, 8.1361, 7.5577



15.9151, 23.3150, 3.6614



0.3769, 0.5118, 0.0789

Inverse Universe

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



12.6148, 8.3887, 35.1386



18.6600, 10.4346, 63.0867



18.9310, 11.6448, 35.4342



6.8799, 6.9524, 8.8824



6.0569, 2.5289, 27.0987



0.1712, 0.0758, 0.5715

Previews

White Background



This preview shows how the XYZ color 23.6490, 31.2679, 9.4915 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 23.6490, 31.2679, 9.4915 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 23.6490, 31.2679, 9.4915

Background



This preview shows how black text looks on a background with the XYZ color 23.6490, 31.2679, 9.4915.



This preview shows how white text looks on a background with the XYZ color 23.6490, 31.2679,

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

23.6490, 31.2679, 9.4915

Protanopia

28.4060, 31.2177, 8.8034

Deuteranopia

31.5102, 30.9287, 9.7779



Tritanopia

29.7831, 31.2478, 39.5836

Trichromacy



Original Color

23.6490, 31.2679, 9.4915

Protanomaly

26.4411, 31.1818, 9.0400

Deuteranomaly

28.1984, 30.8514, 9.6230

Tritanomaly

26.8746, 31.0600, 24.6574

Monochromacy



Original Color

23.6490, 31.2679, 9.4915

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.3755, 28.1761, 19.7766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6490, 31.2679, 9.4915 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(134, 162, 63)` looks like.

```
.text, #text, p{  
    color:rgb(134, 162, 63)  
}
```

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(134, 162, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 162, 63) }
```

Border

The CSS property to change the border of an element to XYZ 23.6490, 31.2679, 9.4915 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(134, 162, 63) }
```


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

```
.border{ border-color:rgb(134, 162, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 162, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 162, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 162, 63);  
box-shadow:4px 4px 4px 4px rgb(134, 162,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6490, 31.2679, 9.4915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 162, 63) }
```

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

```
.background{ background-color: rgb(134,  
162, 63) }
```

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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