

Converting Colors

XYZ(24.1036, 31.1157, 6.4949)

Have a look what the booklet for
XYZ(24.1036, 31.1157, 6.4949)
contains.

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Color

**XYZ(24.0601, 31.0260,
6.4708)**

Conversions

Conversions Part 1

Format	Color
Hex	8EA025
RGB	142, 160, 37
RGB Percent	56%, 63%, 15%
CMY	0.4431, 0.3725, 0.8549
CMYK	0.11, 0.00, 0.77, 0.37
HSL	69°, 62%, 39%
HSV	69°, 77%, 63%
XYZ	24.0601, 31.0260, 6.4708
YIQ	140.5960, 28.7550, -42.0690

Conversions

Conversions Part 2

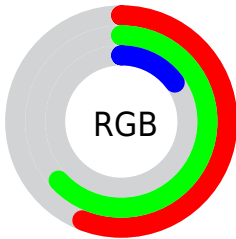
Format	Color
RYB	37, 160, 55
Decimal	9347109
CIELab	62.53, -22.20, 57.35
CIELCh	63, 61.493, 111.159
Yxy	31.0260, 0.3909, 0.5040
Android (android.graphics.Color)	4287537189 (0xFF8EA025)
YUV	140.5960, -51.0728, 1.2313
Hunter-Lab	55.7010, -20.3735, 32.1030

Details

The XYZ color **24.0601, 31.0260, 6.4708** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.5833, 4.6742, 33.7094**, and the grayscale version is **25.3457, 26.6656, 29.0389**.

A 20% lighter version of the original color is **49.7854, 61.5157, 19.3750**, and **9.4931, 13.0120, 2.0112** is the 20% darker color. If you saturate the color by 10%, you get **23.4645, 30.7430, 5.4070**, and if you desaturate by 10%, it is **24.7757, 31.3603, 8.1162**.

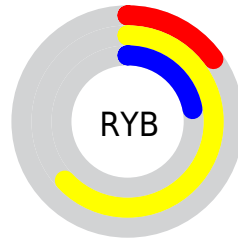
Distribution



Red (56%)

Green (63%)

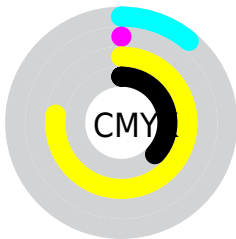
Blue (15%)



Red (15%)

Yellow (63%)

Blue (22%)

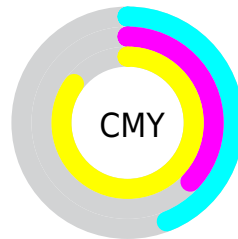


Cyan (11%)

Magenta (0%)

Yellow (77%)

Black (37%)



Cyan (44%)


Magenta (37%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0601, 31.0260, 6.4708 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 24.0601, 31.0260, 6.4708 by changing the saturation by 10% instead.


 24.0601, 31.0260,
6.4708


 24.0601, 31.0260,
6.4708


265.5590,
306.6581, 172.6516


 15.5032, 20.6186,
3.0600


 49.5822, 61.2810,
19.3948


 9.2619, 12.8455,
1.1254


 67.2781, 81.8974,
29.7451

 4.9709, 7.3223,
0.0000


 88.7511, 106.6857,
43.2457

 2.2648, 3.6644,
0.0000

 114.3665,
136.0302, 60.3151

 0.7765, 1.4877,
0.0000

 144.4896,
170.3153, 81.3719

 0.0000, 0.2800,
0.0000

 179.4858,

 0.0000, 0.0000,

209.9253, 106.8345

0.0000

219.7205,
255.2448, 137.1216

■ 24.0601, 31.0260,
6.4708

■ 24.0601, 31.0260,
6.4708

■ 23.4645, 30.7430,
5.4070

■ 24.7757, 31.3603,
8.1162

■ 22.9673, 30.4991,
4.8201

■ 25.6219, 31.7467,
10.4085

■ 22.8198, 30.4262,
4.6701

■ 26.6107, 32.1910,
13.4066

■ 27.7518, 32.6974,
17.1622

■ 29.0542, 33.2692,
21.7222

■ 30.5262, 33.9099,
27.1295

■ 32.1753, 34.6224,
33.4242

■ 34.0088, 35.4097,
40.6437

■ 36.0333, 36.2745,
48.8234

Harmonies

Analogous

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



32.0290, 31.0260, 5.6580



24.0601, 31.0260, 6.4708



18.6588, 31.0260, 12.3564

Triad

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



24.0601, 31.0260, 6.4708



20.5144, 31.0260, 83.8114



48.3917, 31.0260, 41.3617

Complementary

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



24.0601, 31.0260, 6.4708



8.5833, 4.6742, 33.7094

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.



43.8625, 31.0260, 71.6530



24.0601, 31.0260, 6.4708



27.0875, 31.0260, 102.7288

Square

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



24.0601, 31.0260, 6.4708



16.8968, 31.0260, 53.2691



35.6793, 31.0260, 97.4561



47.1605, 31.0260, 19.7425

Rectangle

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



24.0601, 31.0260, 6.4708



16.7439, 31.0260, 20.9910



35.6793, 31.0260, 97.4561



47.4652, 31.0260, 50.9336

Sweetspot

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



24.0608, 31.0274, 6.4714



53.6321, 60.7884, 42.6281



16.1237, 10.1909, 2.8679



11.5702, 13.2480, 8.6535



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.0608, 31.0274, 6.4714



41.9662, 55.5062, 9.0211



16.3943, 27.0752, 6.1127



7.0747, 7.6712, 7.0935



17.8039, 23.7150, 3.6391



0.3420, 0.4362, 0.0662

Inverse Universe

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



8.5833, 4.6742, 33.7094



12.7945, 5.5563, 60.7847



14.0649, 7.5000, 33.9660



6.3706, 6.4795, 8.3216



5.2500, 2.1355, 26.0427



0.1164, 0.0498, 0.4667

Previews

White Background



This preview shows how the XYZ color 24.0601, 31.0260, 6.4708 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 24.0601, 31.0260, 6.4708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

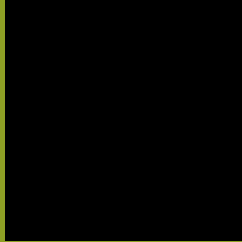
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.0601, 31.0260, 6.4708

Background



This preview shows how black text looks on a background with the XYZ color 24.0601, 31.0260, 6.4708.



This preview shows how white text looks on a background with the XYZ color 24.0601, 31.0260,

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

24.0601, 31.0260, 6.4708

Protanopia

27.9475, 30.8006, 6.0622

Deuteranopia

31.2824, 30.6532, 6.7505



Tritanopia

30.5069, 30.9381, 38.0820

Trichromacy



Original Color

24.0601, 31.0260, 6.4708

Protanomaly

26.3712, 30.7122, 6.2072

Deuteranomaly

28.1786, 30.4327, 6.5794

Tritanomaly

27.1213, 30.5275, 20.9859

Monochromacy



Original Color

24.0601, 31.0260, 6.4708

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.0226, 27.8218, 16.9360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0601, 31.0260, 6.4708 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(142, 160, 37)` looks like.

```
.text, #text, p{  
    color:rgb(142, 160, 37)  
}
```

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(142, 160, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 160, 37) }
```

Border

The CSS property to change the border of an element to XYZ 24.0601, 31.0260, 6.4708 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(142, 160, 37) }
```


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

```
.border{ border-color:rgb(142, 160, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 160, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 160, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 160, 37);  
box-shadow:4px 4px 4px 4px rgb(142, 160,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0601, 31.0260, 6.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 160, 37) }
```

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

```
.background{ background-color: rgb(142,  
160, 37) }
```

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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