

Converting Colors

XYZ(24.7439, 18.2196, 2.5866)

Have a look what the booklet for
XYZ(24.7439, 18.2196, 2.5866)
contains.

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Color

**XYZ(24.7151, 18.1602,
2.5834)**

Conversions

Conversions Part 1

Format	Color
Hex	BD5A0D
RGB	189, 90, 13
RGB Percent	74%, 35%, 5%
CMY	0.2588, 0.6470, 0.9490
CMYK	0.00, 0.52, 0.93, 0.26
HSL	26°, 87%, 40%
HSV	26°, 93%, 74%
XYZ	24.7151, 18.1602, 2.5834
YIQ	110.8230, 83.7210, -2.9590

Conversions

Conversions Part 2

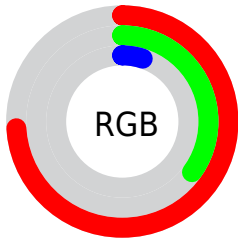
Format	Color
R_{YB}	189, 150, 13
Decimal	12409357
CIE _{Lab}	49.69, 35.99, 55.79
CIE _{LCh}	50, 66.391, 57.172
Yxy	18.1602, 0.5437, 0.3995
Android (android.graphics.Color)	4290599437 (0xFFBD5A0D)
YUV	110.8230, -48.2267, 68.5612
Hunter-Lab	42.6148, 28.9479, 26.2361

Details

The XYZ color **24.7151, 18.1602, 2.5834** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.1451, 15.3473, 50.3079**, and the grayscale version is **15.1772, 15.9676, 17.3887**.

A 20% lighter version of the original color is **50.5000, 40.2726, 10.5806**, and **9.6609, 6.1068, 0.6695** is the 20% darker color. If you saturate the color by 10%, you get **24.0559, 16.9582, 2.0054**, and if you desaturate by 10%, it is **25.8640, 20.1595, 3.8876**.

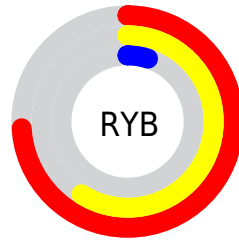
Distribution



Red (74%)

Green (35%)

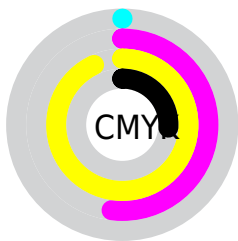
Blue (5%)



Red (74%)

Yellow (59%)

Blue (5%)

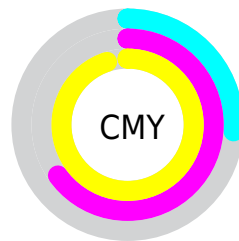


Cyan (0%)

Magenta (52%)

Yellow (93%)

Black (26%)



Cyan (26%)

Magenta (65%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7151, 18.1602, 2.5834 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 24.7151, 18.1602, 2.5834 by changing the saturation by 10% instead.

■ 24.7151, 18.1602,
2.5834

■ 24.7151, 18.1602,
2.5834

268.7900,
241.7725, 130.8637

■ 15.9925, 11.0651,
0.8839

■ 50.6409, 40.3101,
10.5819

■ 9.6097, 6.1106,
0.0000

■ 68.5748, 56.1337,
17.7201

■ 5.2012, 2.9125,
0.0000

■ 90.3099, 75.6355,
27.5091

■ 2.4018, 1.0862,
0.0000

■ 116.2115, 99.2000,
40.3673

■ 0.8460, 0.0000,
0.0000

■ 146.6449,
127.2115, 56.7134

■ 0.0000, 0.0000,
0.0000

■ 181.9756,

160.0545, 76.9658

■ 222.5688,
198.1134, 101.5430

■ 24.7151, 18.1602,
2.5834

■ 24.7151, 18.1602,
2.5834

■ 24.0559, 16.9582,
2.0054

■ 25.8640, 20.1595,
3.8876

■ 27.2931, 22.4834,
6.0105

■ 29.0294, 25.1514,
9.0701

■ 31.0959, 28.1798,
13.1644

■ 33.5130, 31.5839,
18.3792

■ 36.2992, 35.3777,
24.7908

■ 39.4714, 39.5745,
32.4691

■ 43.0455, 44.1867,
41.4784

■ 47.0363, 49.2263,
51.8786

Harmonies

Analogous

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



30.4723, 18.1602, 7.7654



24.7151, 18.1602, 2.5834



17.8667, 18.1602, 1.4084

Triad

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



24.7151, 18.1602, 2.5834



7.7521, 18.1602, 18.1069



23.4203, 18.1602, 69.6458

Complementary

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



24.7151, 18.1602, 2.5834



15.1451, 15.3473, 50.3079

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.



16.6686, 18.1602, 78.8061



24.7151, 18.1602, 2.5834



8.5556, 18.1602, 40.2830

Square

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



24.7151, 18.1602, 2.5834



8.9363, 18.1602, 6.2783



11.4797, 18.1602, 65.7492



29.6057, 18.1602, 45.2495

Rectangle

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



24.7151, 18.1602, 2.5834



13.9184, 18.1602, 1.6837



11.4797, 18.1602, 65.7492



21.0993, 18.1602, 75.0765

Sweetspot

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



24.7155, 18.1612, 2.5837



67.5788, 66.7823, 50.5357



24.0958, 12.2930, 16.6474



14.0210, 13.6799, 9.6437



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.7155, 18.1612, 2.5837



42.8552, 29.9141, 3.5153



36.8336, 42.3974, 6.6231



9.8643, 10.2047, 10.0264



16.2590, 11.5568, 1.3737



0.7020, 0.5830, 0.0755

Inverse Universe

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



15.1451, 15.3473, 50.3079



25.4955, 24.6696, 89.6442



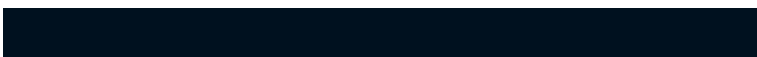
9.6933, 4.4438, 48.4906



9.4496, 10.0916, 12.1220



9.7465, 9.6047, 33.7331



0.4458, 0.5043, 1.3427

Previews

White Background



This preview shows how the XYZ color 24.7151, 18.1602, 2.5834 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 24.7151, 18.1602, 2.5834 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 × Fail

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

XYZ 24.7151, 18.1602, 2.5834

Background



This preview shows how black text looks on a background with the XYZ color 24.7151, 18.1602, 2.5834.



This preview shows how white text looks on a background with the XYZ color 24.7151, 18.1602,

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

24.7151, 18.1602, 2.5834

Protanopia

16.5732, 18.3199, 3.4217

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

26.7117, 18.2684, 11.5695

Trichromacy



Original Color

24.7151, 18.1602, 2.5834

Protanomaly

18.8065, 17.6422, 3.0302

Deuteranomaly

20.3888, 18.0066, 2.5446

Tritanomaly

25.6560, 18.0689, 6.5503

Monochromacy



Original Color

24.7151, 18.1602, 2.5834

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.7677, 15.6975, 8.8028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7151, 18.1602, 2.5834 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(189, 90, 13)` looks like.

```
.text, #text, p{  
    color:rgb(189, 90, 13)  
}
```

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(189, 90, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 90, 13) }
```

Border

The CSS property to change the border of an element to XYZ 24.7151, 18.1602, 2.5834 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(189, 90, 13) }
```


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

```
.border{ border-color:rgb(189, 90, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 90, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 90, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 90, 13);  
box-shadow:4px 4px 4px 4px rgb(189, 90,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7151, 18.1602, 2.5834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 90, 13) }
```

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

```
.background{ background-color: rgb(189, 90,  
13) }
```

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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