

Converting Colors

XYZ(31.3600, 23.0701, 3.7930)

Have a look what the booklet for
XYZ(31.3600, 23.0701, 3.7930)
contains.

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Color

**XYZ(31.4185, 23.0836,
3.7769)**

Conversions

Conversions Part 1

Format	Color
Hex	D2651A
RGB	210, 101, 26
RGB Percent	82%, 40%, 10%
CMY	0.1765, 0.6039, 0.8980
CMYK	0.00, 0.52, 0.88, 0.18
HSL	24°, 78%, 46%
HSV	24°, 88%, 82%
XYZ	31.4185, 23.0836, 3.7769
YIQ	125.0410, 89.0390, -0.2170

Conversions

Conversions Part 2

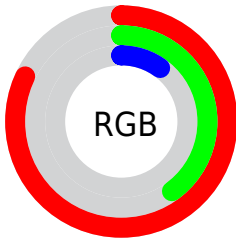
Format	Color
R _Y B	210, 153, 26
Decimal	13788442
CIE Lab	55.16, 39.00, 57.46
CIE LCh	55, 69.445, 55.835
Yxy	23.0836, 0.5391, 0.3961
Android (android.graphics.Color)	4291978522 (0xFFD2651A)
YUV	125.0410, -48.8272, 74.5090
Hunter-Lab	48.0454, 32.6477, 28.9709

Details

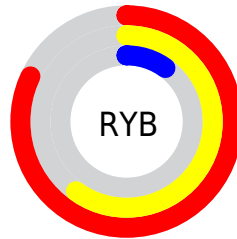
The XYZ color **31.4185, 23.0836, 3.7769** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **20.7221, 22.1992, 64.1651**, and the grayscale version is **19.6459, 20.6691, 22.5086**.

A 20% lighter version of the original color is **54.2069, 44.9357, 13.2136**, and **13.3533, 8.5771, 0.9517** is the 20% darker color. If you saturate the color by 10%, you get **30.1421, 20.7855, 2.5670**, and if you desaturate by 10%, it is **33.0464, 25.8170, 5.9310**.

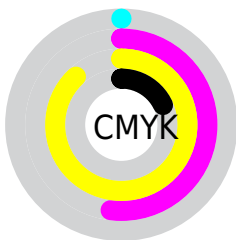
Distribution



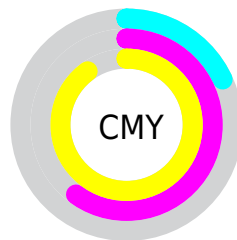
- Red (82%)
- Green (40%)
- Blue (10%)



- Red (82%)
- Yellow (60%)
- Blue (10%)



- Cyan (0%)
- Magenta (52%)
- Yellow (88%)
- Black (18%)



- Cyan (18%)
- Magenta (60%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4185, 23.0836, 3.7769 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 31.4185, 23.0836, 3.7769 by changing the saturation by 10% instead.

31.4185, 23.0836,
3.7769

31.4185, 23.0836,
3.7769

300.2543,
268.1541, 145.7124

21.0711, 14.6552,
1.5038

61.2697, 48.5306,
13.4919

13.2888, 8.5778,
0.2207

81.5043, 66.3180,
21.7708

7.7061, 4.4668,
0.0000

105.7653, 87.9938,
32.8887

3.9577, 1.9380,
0.0000

134.4181,
113.9426, 47.2642

1.6782, 0.5711,
0.0000

167.8280,
144.5486, 65.3157

0.4426, 0.0000,
0.0000

206.3605,

0.0000, 0.0000,

180.1962, 87.4619

0.0000

250.3808,
221.2699, 114.1213

31.4185, 23.0836,
3.7769

31.4185, 23.0836,
3.7769

30.1421, 20.7855,
2.5670

33.0464, 25.8170,
5.9310

29.8744, 20.2941,
2.3426

35.0679, 29.0115,
9.2207

37.5167, 32.6934,
13.7848

40.4216, 36.8851,
19.7416

43.8086, 41.6074,
27.1956

■ 47.7015, 46.8799,
36.2413

■ 52.1223, 52.7210,
46.9652

■ 57.0916, 59.1480,
59.4478

■ 62.6290, 66.1777,
73.7640

Harmonies

Analogous

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



38.2726, 23.0836, 10.7454



31.4185, 23.0836, 3.7769



23.0405, 23.0836, 2.0754

Triad

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



31.4185, 23.0836, 3.7769



10.1806, 23.0836, 22.1601



29.0965, 23.0836, 86.4429

Complementary

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



31.4185, 23.0836, 3.7769



20.7221, 22.1992, 64.1651

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.



20.8756, 23.0836, 96.2552



31.4185, 23.0836, 3.7769



11.0748, 23.0836, 48.6987

Square

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



31.4185, 23.0836, 3.7769



11.7752, 23.0836, 7.9774



14.5903, 23.0836, 79.5709



36.7255, 23.0836, 57.5285

Rectangle

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



31.4185, 23.0836, 3.7769



18.1198, 23.0836, 2.3745



14.5903, 23.0836, 79.5709



26.2632, 23.0836, 92.6133

Sweetspot

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



31.4190, 23.0849, 3.7773



74.8786, 73.8928, 58.2898



31.4201, 16.2294, 24.9187



15.5465, 15.1728, 11.3363



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.4190, 23.0849, 3.7773



46.1851, 31.1502, 3.5784



45.5265, 51.2998, 8.4798



12.1988, 12.5882, 12.3989



18.3164, 12.5657, 1.4600



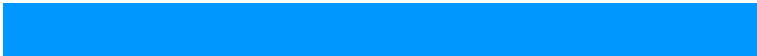
1.1013, 0.8569, 0.1074

Inverse Universe

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



20.7221, 22.1992, 64.1651



29.1249, 29.3699, 98.7416



12.9746, 6.7042, 61.5826



11.7374, 12.5651, 15.0503



11.6238, 11.8941, 38.8756



0.7269, 0.8189, 2.1993

Previews

White Background



This preview shows how the XYZ color 31.4185, 23.0836, 3.7769 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4185, 23.0836, 3.7769 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 31.4185, 23.0836, 3.7769

Background



This preview shows how black text looks on a background with the XYZ color 31.4185, 23.0836, 3.7769.



This preview shows how white text looks on a background with the XYZ color 31.4185, 23.0836,

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

31.4185, 23.0836, 3.7769

Protanopia

21.0707, 23.2801, 4.8963

Deuteranopia

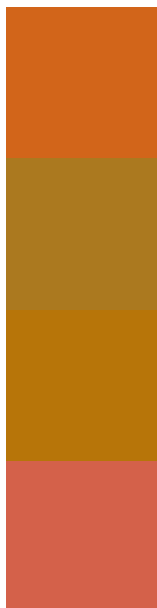
23.6093, 23.2465, 3.2427



Tritanopia

33.7922, 23.0911, 14.9879

Trichromacy



Original Color

31.4185, 23.0836, 3.7769

Protanomaly

23.8793, 22.4316, 4.3675

Deuteranomaly

25.9390, 22.8096, 3.2940

Tritanomaly

32.6621, 23.0408, 9.2044

Monochromacy



Original Color

31.4185, 23.0836, 3.7769

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.7589, 20.2800, 12.2188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4185, 23.0836, 3.7769 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(210, 101, 26)` looks like.

```
.text, #text, p{  
    color:rgb(210, 101, 26)  
}
```

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(210, 101, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 101, 26) }
```

Border

The CSS property to change the border of an element to XYZ 31.4185, 23.0836, 3.7769 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(210, 101, 26) }
```


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

```
.border{ border-color:rgb(210, 101, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 101, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 101, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 101, 26);  
box-shadow:4px 4px 4px 4px rgb(210, 101,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4185, 23.0836, 3.7769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 101, 26) }
```

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

```
.background{ background-color: rgb(210,  
101, 26) }
```

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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