

Converting Colors

XYZ(34.3557, 23.8648, 2.3584)

Have a look what the booklet for
XYZ(34.3557, 23.8648, 2.3584)
contains.

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Color

**XYZ(34.6143, 24.0537,
2.8185)**

Conversions

Conversions Part 1

Format	Color
Hex	DF6000
RGB	223, 96, 0
RGB Percent	87%, 38%, 0%
CMY	0.1255, 0.6235, 1.0000
CMYK	0.00, 0.57, 1.00, 0.13
HSL	26°, 100%, 44%
HSV	26°, 100%, 87%
XYZ	34.6143, 24.0537, 2.8185
YIQ	123.0290, 106.5080, -2.9320

Conversions

Conversions Part 2

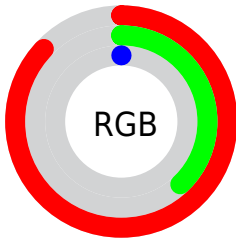
Format	Color
R_{YB}	223, 169, 0
Decimal	14639104
CIE Lab	56.14, 46.11, 65.22
CIE LCh	56, 79.871, 54.742
Yxy	24.0537, 0.5630, 0.3912
Android (android.graphics.Color)	4292829184 (0xFFDF6000)
YUV	123.0290, -60.6533, 87.6746
Hunter-Lab	49.0446, 40.1524, 30.9239

Details

The XYZ color **34.6143, 24.0537, 2.8185** 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 **20.9084, 20.5060, 72.6675**, and the grayscale version is **19.0068, 19.9966, 21.7763**.

A 20% lighter version of the original color is **53.1005, 43.4543, 10.5899**, and **15.3611, 9.2013, 0.9664** is the 20% darker color. If you saturate the color by 10%, you get **34.6144, 24.0543, 2.8186**, and if you desaturate by 10%, it is **36.0165, 26.6219, 4.0149**.

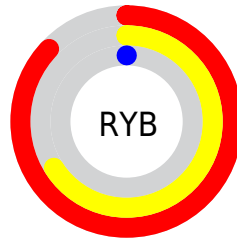
Distribution



Red (87%)

Green (38%)

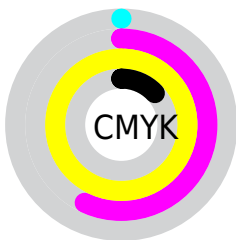
Blue (0%)



Red (87%)

Yellow (66%)

Blue (0%)

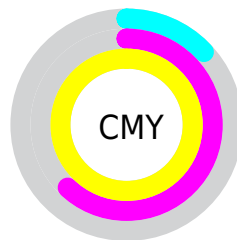


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6143, 24.0537, 2.8185 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 34.6143, 24.0537, 2.8185 by changing the saturation by 10% instead.


 34.6143, 24.0537,
2.8185


 34.6143, 24.0537,
2.8185


314.4005,
273.0919, 134.0143

 23.5310, 15.3735,
1.0027


 66.2258, 50.1178,
11.1772


 15.1090, 9.0819,
0.0000


 87.4847, 68.2705,
18.5572


 8.9827, 4.7946,
0.0000


 112.8663, 90.3494,
28.6290

 4.7869, 2.1273,
0.0000

 142.7358,
116.7390, 41.8112

 2.1563, 0.6799,
0.0000

 177.4586,
147.8237, 58.5223


 0.7195, 0.0000,
0.0000


 217.4001,


 0.0000, 0.0000,


183.9877, 79.1808


0.0000


 262.9256,
225.6157, 104.2053


 34.6143, 24.0537,
2.8185

 34.6143, 24.0537,
2.8185


 34.6144, 24.0543,
2.8186

 36.0165, 26.6219,
4.0149

 37.7842, 29.6482,
6.1744

 39.9813, 33.1716,
9.5911

 42.6466, 37.2198,
14.4332

 45.8137, 41.8173,
20.8425

■ 49.5124, 46.9869,
28.9434

■ 53.7700, 52.7498,
38.8476

■ 58.6117, 59.1260,
50.6571

■ 64.0609, 66.1344,
64.4663

Harmonies

Analogous

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



42.8847, 24.0537, 10.2407



34.6143, 24.0537, 2.8185



24.5151, 24.0537, 1.2277

Triad

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



34.6143, 24.0537, 2.8185



9.4240, 24.0537, 21.8334



31.0566, 24.0537, 103.9305

Complementary

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



34.6143, 24.0537, 2.8185



20.9084, 20.5060, 72.6675

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.



21.2856, 24.0537, 115.4054



34.6143, 24.0537, 2.8185



10.3047, 24.0537, 53.4903

Square

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



34.6143, 24.0537, 2.8185



11.2832, 24.0537, 6.5276



14.1261, 24.0537, 92.7666



40.4757, 24.0537, 67.4454

Rectangle

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



34.6143, 24.0537, 2.8185



18.6660, 24.0537, 1.4258



14.1261, 24.0537, 92.7666



27.6446, 24.0537, 111.5558

Sweetspot

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



34.6148, 24.0551, 2.8189



72.7285, 71.2990, 52.3121



34.4663, 17.3020, 22.6724



15.0236, 14.5312, 9.9160



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.



34.6148, 24.0551, 2.8189



46.7923, 32.3646, 3.7808



52.1232, 59.0719, 8.6550



14.1901, 14.6661, 14.3897



20.4603, 14.3586, 1.6931



1.5058, 1.1705, 0.1466

Inverse Universe

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



20.9084, 20.5060, 72.6675



28.2089, 27.5379, 98.4363



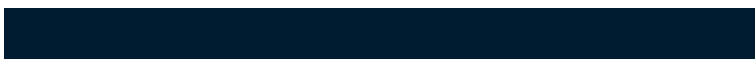
13.5453, 5.7797, 70.2132



13.5967, 14.5325, 17.4761



12.4080, 12.2856, 42.7658



0.9485, 1.0284, 2.9938

Previews

White Background



This preview shows how the XYZ color 34.6143, 24.0537, 2.8185 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 34.6143, 24.0537, 2.8185 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 34.6143, 24.0537, 2.8185

Background



This preview shows how black text looks on a background with the XYZ color 34.6143, 24.0537, 2.8185.



This preview shows how white text looks on a background with the XYZ color 34.6143, 24.0537,

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

34.6143, 24.0537, 2.8185

Protanopia

21.8884, 24.3379, 4.2535

Deuteranopia

24.5138, 24.0963, 3.3590



Tritanopia

36.6893, 23.9785, 13.5211

Trichromacy



Original Color

34.6143, 24.0537, 2.8185

Protanomaly

25.2701, 23.1688, 3.5209

Deuteranomaly

27.4806, 23.4379, 3.0756

Tritanomaly

35.3832, 23.8278, 7.0093

Monochromacy



Original Color

34.6143, 24.0537, 2.8185

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.5783, 19.7312, 9.8789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6143, 24.0537, 2.8185 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(223, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 96, 0)  
}
```

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(223, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 96, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.6143, 24.0537, 2.8185 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(223, 96, 0) }
```


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

```
.border{ border-color:rgb(223, 96, 0) }
```

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

Here you see how a box with a 4 pixel rgb(223, 96, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.6143, 24.0537, 2.8185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 96, 0) }
```

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

```
.background{ background-color: rgb(223, 96,  
0) }
```

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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