

Converting Colors

XYZ(36.4464, 31.6407, 5.3442)

Have a look what the booklet for
XYZ(36.4464, 31.6407, 5.3442)
contains.

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Color

**XYZ(36.3263, 31.5628,
5.3400)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D5871D |
| RGB | 213, 135, 29 |
| RGB Percent | 84%, 53%, 11% |
| CMY | 0.1647, 0.4706, 0.8863 |
| CMYK | 0.00, 0.37, 0.86, 0.16 |
| HSL | 35°, 76%, 47% |
| HSV | 35°, 86%, 84% |
| XYZ | 36.3263, 31.5628, 5.3400 |
| YIQ | 146.2380, 80.5140, -16.4300 |

Conversions

Conversions Part 2

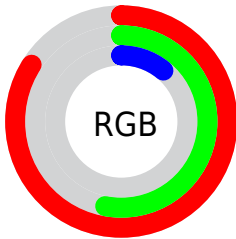
| Format | Color |
|-------------------------------------|--|
| RYB | 164, 213, 29 |
| Decimal | 13993757 |
| CIELab | 62.98, 22.42, 62.96 |
| CIElCh | 63, 66.838, 70.398 |
| Yxy | 31.5628, 0.4961, 0.4310 |
| Android (android.graphics.Color) | 4292183837 (0xFFD5871D) |
| YUV | 146.2380, -57.7983, 58.5503 |
| Hunter-Lab | 56.1808, 17.1011, 33.6910 |

Details

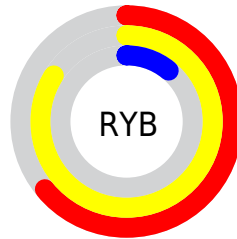
The XYZ color **36.3263, 31.5628, 5.3400** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **17.7744, 15.5801, 65.0207**, and the grayscale version is **27.6271, 29.0658, 31.6527**.

A 20% lighter version of the original color is **60.8629, 57.8823, 16.5589**, and **16.1974, 13.1724, 1.6888** is the 20% darker color. If you saturate the color by 10%, you get **34.9405, 29.0789, 3.9925**, and if you desaturate by 10%, it is **38.0012, 34.3361, 7.6768**.

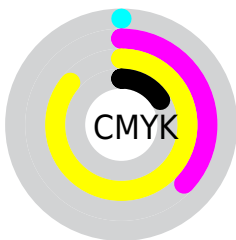
Distribution



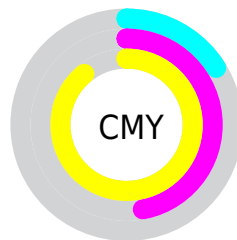
- Red (84%)
- Green (53%)
- Blue (11%)



- Red (64%)
- Yellow (84%)
- Blue (11%)



- Cyan (0%)
- Magenta (37%)
- Yellow (86%)
- Black (16%)





- Cyan (16%)
- Magenta (47%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3263, 31.5628, 5.3400 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 36.3263, 31.5628, 5.3400 by changing the saturation by 10% instead.


 36.3263, 31.5628,
5.3400


 36.3263, 31.5628,
5.3400


321.7909,
309.1228, 162.1232


 24.8576, 21.0278,
2.3859


 68.8560, 62.1251,
16.9982


 16.0991, 13.1443,
0.7787


 90.6477, 82.9211,
26.5393


 9.6856, 7.5280,
0.0000


 116.6111,
107.9063, 39.1133

 5.2517, 3.7944,
0.0000

 147.1115,
137.4650, 55.1385

 2.4319, 1.5593,
0.0000

 182.5143,
171.9816, 75.0335

 0.8611, 0.3299,
0.0000

 223.1850,

 0.0000, 0.0000,

211.8405, 99.2170

0.0000

269.4887,
257.4261, 128.1074

■ 36.3263, 31.5628,
5.3400

■ 36.3263, 31.5628,
5.3400

■ 34.9405, 29.0789,
3.9925

■ 38.0012, 34.3361,
7.6768

■ 34.4876, 28.2405,
3.6333

■ 39.9988, 37.4121,
11.1765

■ 42.3485, 40.8079,
15.9784

■ 45.0750, 44.5372,
22.2014

■ 48.2006, 48.6126,
29.9508

■ 51.7455, 53.0458,
39.3221

■ 55.7282, 57.8476,
50.4026

■ 60.1662, 63.0285,
63.2735

■ 65.0758, 68.5983,
78.0106

Harmonies

Analogous

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



45.5682, 31.5628, 10.8964



36.3263, 31.5628, 5.3400



26.9219, 31.5628, 4.7553

Triad

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



36.3263, 31.5628, 5.3400



15.7601, 31.5628, 44.3333



42.9702, 31.5628, 89.1053

Complementary

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



36.3263, 31.5628, 5.3400



17.7744, 15.5801, 65.0207

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.



33.3031, 31.5628, 112.0363



36.3263, 31.5628, 5.3400



18.4547, 31.5628, 78.7026

Square

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



36.3263, 31.5628, 5.3400



16.2427, 31.5628, 20.0318



24.4536, 31.5628, 107.4791



49.9137, 31.5628, 54.2922

Rectangle

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



36.3263, 31.5628, 5.3400



21.9173, 31.5628, 6.5896



24.4536, 31.5628, 107.4791



39.8582, 31.5628, 99.1009

Sweetspot

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



36.3270, 31.5644, 5.3406



77.8335, 79.8026, 59.2747



30.6259, 16.1234, 15.8914



16.2442, 16.5682, 11.5689



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.



36.3270, 31.5644, 5.3406



51.6596, 42.0991, 5.4032



48.0315, 60.0573, 10.2234



13.0114, 13.5970, 13.0994



21.1699, 17.4570, 2.2538



1.3581, 1.2154, 0.1630

Inverse Universe

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



17.7744, 15.5801, 65.0207



23.4222, 17.9643, 96.8407



13.3749, 6.1600, 63.4343



12.1710, 12.8654, 15.7793



9.6811, 7.6239, 39.4145



0.6649, 0.6219, 2.4043

Previews

White Background



This preview shows how the XYZ color 36.3263, 31.5628, 5.3400 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 36.3263, 31.5628, 5.3400 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 36.3263, 31.5628, 5.3400

Background



This preview shows how black text looks on a background with the XYZ color 36.3263, 31.5628, 5.3400.



This preview shows how white text looks on a background with the XYZ color 36.3263, 31.5628,

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

36.3263, 31.5628, 5.3400

Protanopia

28.6932, 31.6686, 6.1137

Deuteranopia

32.2625, 31.6462, 5.1670



Tritanopia

40.7475, 31.5764, 26.8689

Trichromacy



Original Color

36.3263, 31.5628, 5.3400

Protanomaly

31.0331, 31.2268, 5.7583

Deuteranomaly

33.5198, 31.3993, 5.2137

Tritanomaly

38.2805, 31.1440, 15.0601

Monochromacy



Original Color

36.3263, 31.5628, 5.3400

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.6987, 28.8713, 16.8921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3263, 31.5628, 5.3400 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(213, 135, 29)` looks like.

```
.text, #text, p{  
    color:rgb(213, 135, 29)  
}
```

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(213, 135, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 135, 29) }
```

Border

The CSS property to change the border of an element to XYZ 36.3263, 31.5628, 5.3400 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(213, 135, 29) }
```


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

```
.border{ border-color:rgb(213, 135, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 135, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 135, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 135, 29);  
box-shadow:4px 4px 4px 4px rgb(213, 135,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3263, 31.5628, 5.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 135, 29) }
```

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

```
.background{ background-color: rgb(213,  
135, 29) }
```

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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