

Converting Colors

XYZ(33.0660, 21.9736, 5.0842)

Have a look what the booklet for
XYZ(33.0660, 21.9736, 5.0842)
contains.

XYZ(33.0343, 21.9129, 5.0733)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.0343, 21.9129,
5.0733)**

Conversions

Conversions Part 1

Format	Color
Hex	DB562E
RGB	219, 86, 46
RGB Percent	86%, 34%, 18%
CMY	0.1412, 0.6627, 0.8196
CMYK	0.00, 0.61, 0.79, 0.14
HSL	14°, 71%, 52%
HSV	14°, 79%, 86%
XYZ	33.0343, 21.9129, 5.0733
YIQ	121.2070, 92.1080, 15.7560

Conversions

Conversions Part 2

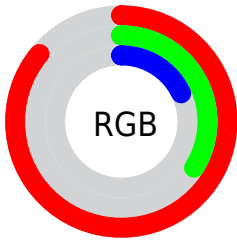
Format	Color
RYB	219, 98, 46
Decimal	14374446
CIELab	53.93, 50.10, 48.61
CIElCh	54, 69.807, 44.133
Yxy	21.9129, 0.5504, 0.3651
Android (android.graphics.Color)	4292564526 (0xFFDB562E)
YUV	121.2070, -37.0771, 85.7645
Hunter-Lab	46.8112, 44.0464, 26.3421

Details

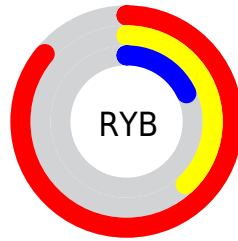
The XYZ color **33.0343, 21.9129, 5.0733** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **30.0313, 37.9323, 72.7560**, and the grayscale version is **18.3373, 19.2922, 21.0092**.

A 20% lighter version of the original color is **52.6836, 40.8424, 15.9331**, and **14.1497, 7.9466, 0.7881** is the 20% darker color. If you saturate the color by 10%, you get **31.5179, 19.4039, 2.9539**, and if you desaturate by 10%, it is **35.0883, 25.1456, 8.4573**.

Distribution



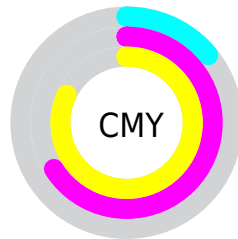
- Red (86%)
- Green (34%)
- Blue (18%)



- Red (86%)
- Yellow (38%)
- Blue (18%)



- Cyan (0%)
- Magenta (61%)
- Yellow (79%)
- Black (14%)





- Cyan (14%)
- Magenta (66%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0343, 21.9129, 5.0733 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 33.0343, 21.9129, 5.0733 by changing the saturation by 10% instead.


 33.0343, 21.9129,
5.0733


 33.0343, 21.9129,
5.0733


307.4665,
262.0911, 159.4975

 22.3121, 13.7929,
2.2308


 63.7834, 46.6020,
16.4179

 14.2043, 7.9768,
0.6921


 84.5410, 63.9399,
25.7571

 8.3455, 4.0801,
0.0000


 109.3744, 85.1192,
38.0990


 4.3705, 1.7185,
0.0000

 138.6490,
110.5244, 53.8622

 1.9138, 0.4356,
0.0000

 172.7302,
140.5397, 73.4650

 0.5848, 0.0000,
0.0000

 211.9833,

 0.0000, 0.0000,

175.5497, 97.3262

0.0000

256.7736,
215.9387, 125.8642

■ 33.0343, 21.9129,
5.0733

■ 33.0343, 21.9129,
5.0733

■ 31.5179, 19.4039,
2.9539

■ 35.0883, 25.1456,
8.4573

■ 30.4683, 17.5510,
1.8450

■ 37.7281, 29.1507,
13.2667

■ 30.3815, 17.3967,
1.7566

■ 40.9980, 33.9768,
19.6395

■ 44.9371, 39.6673,
27.6968

■ 49.5812, 46.2624,
37.5478

■ 54.9637, 53.7998,
49.2923

■ 61.1156, 62.3149,
63.0230

■ 68.0662, 71.8413,
78.8262

■ 75.8430, 82.4111,
96.7833

Harmonies

Analogous

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



38.2459, 21.9129, 15.1037



33.0343, 21.9129, 5.0733



25.0392, 21.9129, 2.0759

Triad

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



33.0343, 21.9129, 5.0733



9.7795, 21.9129, 14.2285



24.5643, 21.9129, 90.8271

Complementary

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



33.0343, 21.9129, 5.0733



30.0313, 37.9323, 72.7560

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.



17.1168, 21.9129, 90.0384



33.0343, 21.9129, 5.0733



9.7112, 21.9129, 35.4760

Square

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



33.0343, 21.9129, 5.0733



12.2894, 21.9129, 4.7640



12.0729, 21.9129, 65.9109



32.6152, 21.9129, 67.6714

Rectangle

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



33.0343, 21.9129, 5.0733



19.8019, 21.9129, 1.8003



12.0729, 21.9129, 65.9109



21.8880, 21.9129, 93.6513

Sweetspot

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



33.0348, 21.9142, 5.0737



73.4996, 70.2349, 60.6041



38.5838, 20.3715, 45.8928



15.1640, 14.2357, 11.7390



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.



33.0348, 21.9142, 5.0737



43.4252, 25.5167, 3.0088



44.0779, 44.0003, 8.7547



13.2992, 13.5377, 13.6377



18.0843, 10.4543, 1.0647



1.2375, 0.8091, 0.0910

Inverse Universe

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



30.0313, 37.9323, 72.7560



38.6306, 48.1403, 101.8637



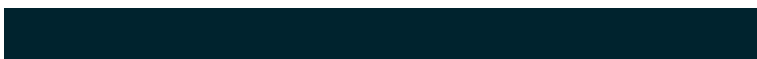
18.0066, 13.8829, 68.7478



13.1763, 14.2924, 16.7164



16.0102, 19.8899, 42.7337



1.1006, 1.4154, 2.7896

Previews

White Background



This preview shows how the XYZ color 33.0343, 21.9129, 5.0733 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 33.0343, 21.9129, 5.0733 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 33.0343, 21.9129, 5.0733

Background



This preview shows how black text looks on a background with the XYZ color 33.0343, 21.9129, 5.0733.



This preview shows how white text looks on a background with the XYZ color 33.0343, 21.9129,

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

33.0343, 21.9129, 5.0733

Protanopia

20.2480, 22.2000, 7.2208

Deuteranopia

22.4906, 22.0738, 4.6654



Tritanopia

34.4409, 21.9289, 11.2216

Trichromacy



Original Color

33.0343, 21.9129, 5.0733

Protanomaly

23.4778, 20.9589, 6.2981

Deuteranomaly

25.4706, 21.3656, 4.7010

Tritanomaly

33.7458, 21.8571, 8.4015

Monochromacy



Original Color

33.0343, 21.9129, 5.0733

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.2876, 18.7014, 13.0774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0343, 21.9129, 5.0733 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(219, 86, 46)` looks like.

```
.text, #text, p{  
    color:rgb(219, 86, 46)  
}
```

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(219, 86, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 86, 46) }
```

Border

The CSS property to change the border of an element to XYZ 33.0343, 21.9129, 5.0733 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(219, 86, 46) }
```


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

```
.border{ border-color:rgb(219, 86, 46) }
```

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

Here you see how a box with a 4 pixel rgb(219, 86, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 86, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 86, 46);  
box-shadow:4px 4px 4px 4px rgb(219, 86,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0343, 21.9129, 5.0733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 86, 46) }
```

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

```
.background{ background-color: rgb(219, 86,  
46) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor