

Converting Colors

XYZ(33.9618, 23.7989, 5.2863)

Have a look what the booklet for
XYZ(33.9618, 23.7989, 5.2863)
contains.

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Color

**XYZ(33.9618, 23.7989,
5.2863)**

Conversions

Conversions Part 1

Format	Color
Hex	DB612D
RGB	219, 97, 45
RGB Percent	86%, 38%, 18%
CMY	0.1412, 0.6196, 0.8235
CMYK	0.00, 0.56, 0.79, 0.14
HSL	18°, 71%, 52%
HSV	18°, 79%, 86%
XYZ	33.9618, 23.7989, 5.2863
YIQ	127.5500, 89.4040, 9.6920

Conversions

Conversions Part 2

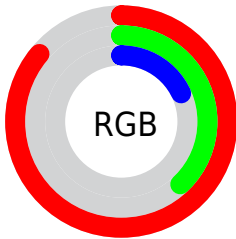
Format	Color
R_{YB}	219, 119, 45
Decimal	14377261
CIE Lab	55.89, 44.95, 50.98
CIE LCh	56, 67.966, 48.596
Yxy	23.7989, 0.5387, 0.3775
Android (android.graphics.Color)	4292567341 (0xFFDB612D)
YUV	127.5500, -40.6971, 80.2017
Hunter-Lab	48.7841, 38.8933, 27.7242

Details

The XYZ color **33.9618, 23.7989, 5.2863** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed orange. A complement of this color would be **27.6860, 33.3075, 71.9873**, and the grayscale version is **20.4775, 21.5439, 23.4613**.

A 20% lighter version of the original color is **54.3722, 44.2194, 16.4960**, and **14.8053, 8.9695, 0.9510** is the 20% darker color. If you saturate the color by 10%, you get **32.3601, 21.1047, 3.1840**, and if you desaturate by 10%, it is **36.0576, 27.1324, 8.6314**.

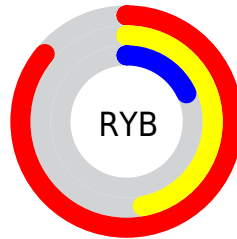
Distribution



Red (86%)

Green (38%)

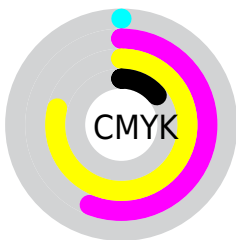
Blue (18%)



Red (86%)

Yellow (47%)

Blue (18%)

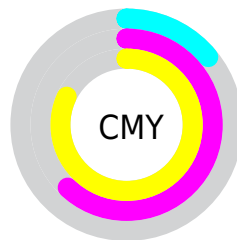


Cyan (0%)

Magenta (56%)

Yellow (79%)

Black (14%)



Cyan (14%)


Magenta (62%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9618, 23.7989, 5.2863 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 33.9618, 23.7989, 5.2863 by changing the saturation by 10% instead.

 33.9618, 23.7989,
5.2863


 33.9618, 23.7989,
5.2863


311.5506,
271.8022, 161.5994


 23.0270, 15.1845,
2.3545


 65.2189, 49.7018,
16.8819


 14.7343, 8.9490,
0.7615


 86.2720, 67.7592,
26.3827


 8.7182, 4.7079,
0.0000


 111.4285, 89.7329,
38.9104

 4.6135, 2.0769,
0.0000

 141.0539,
116.0076, 54.8834

 2.0547, 0.6516,
0.0000

 175.5134,
146.9674, 74.7202

 0.6644, 0.0000,
0.0000

 215.1725,

 0.0000, 0.0000,

182.9968, 98.8395

0.0000

260.3964,
224.4803, 127.6597

■ 33.9618, 23.7989,
5.2863

■ 33.9618, 23.7989,
5.2863

■ 32.3601, 21.1047,
3.1840

■ 36.0576, 27.1324,
8.6314

■ 31.1856, 18.9941,
2.0571

■ 38.6903, 31.1423,
13.3795

■ 31.1298, 18.8932,
2.0060

■ 41.8991, 35.8672,
19.6677

■ 45.7189, 41.3413,
27.6163

■ 50.1813, 47.5967,
37.3336

■ 55.3158, 54.6631,
48.9185

■ 61.1501, 62.5691,
62.4627

■ 67.7100, 71.3416,
78.0517

■ 75.0201, 81.0061,
95.7660

Harmonies

Analogous

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



39.8645, 23.7989, 14.5570



33.9618, 23.7989, 5.2863



25.6927, 23.7989, 2.5628

Triad

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



33.9618, 23.7989, 5.2863



10.9413, 23.7989, 18.3651



27.7069, 23.7989, 90.9556

Complementary

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



33.9618, 23.7989, 5.2863



27.6860, 33.3075, 71.9873

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.



19.8029, 23.7989, 94.1902



33.9618, 23.7989, 5.2863



11.2419, 23.7989, 42.0238

Square

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



33.9618, 23.7989, 5.2863



13.1914, 23.7989, 6.7082



14.1347, 23.7989, 72.8442



35.7228, 23.7989, 65.5681

Rectangle

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



33.9618, 23.7989, 5.2863



20.4673, 23.7989, 2.4860



14.1347, 23.7989, 72.8442



24.9189, 23.7989, 95.0501

Sweetspot

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



33.9623, 23.8002, 5.2867



74.5216, 72.2790, 60.9448



37.3791, 19.8278, 39.7387



15.4048, 14.7174, 11.8192



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.



33.9623, 23.8002, 5.2867



44.5718, 27.8099, 3.3910



46.2719, 48.4193, 9.3899



13.3717, 13.6828, 13.6618



18.5425, 11.3705, 1.2174



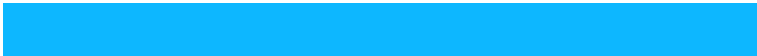
1.2755, 0.8851, 0.1036

Inverse Universe

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



27.6860, 33.3075, 71.9873



35.0623, 41.0037, 100.6743



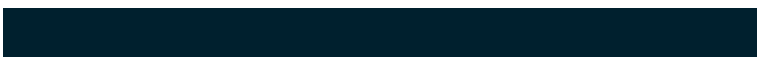
16.9388, 11.8133, 68.4049



13.0992, 14.1382, 16.6907



14.4888, 16.8471, 42.2266



1.0126, 1.2393, 2.7603

Previews

White Background



This preview shows how the XYZ color 33.9618, 23.7989, 5.2863 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 33.9618, 23.7989, 5.2863 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 33.9618, 23.7989, 5.2863

Background



This preview shows how black text looks on a background with the XYZ color 33.9618, 23.7989, 5.2863.



This preview shows how white text looks on a background with the XYZ color 33.9618, 23.7989,

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

33.9618, 23.7989, 5.2863

Protanopia

21.9312, 24.0878, 7.1079

Deuteranopia

24.3847, 23.9947, 4.9363



Tritanopia

35.7175, 23.7174, 14.0047

Trichromacy



Original Color

33.9618, 23.7989, 5.2863

Protanomaly

25.1141, 23.0277, 6.2531

Deuteranomaly

27.2210, 23.4339, 5.0079

Tritanomaly

34.8047, 23.5944, 9.9275

Monochromacy



Original Color

33.9618, 23.7989, 5.2863

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.2638, 21.1815, 14.4176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9618, 23.7989, 5.2863 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, 97, 45)` looks like.

```
.text, #text, p{  
    color:rgb(219, 97, 45)  
}
```

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, 97, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 97, 45) }
```

Border

The CSS property to change the border of an element to XYZ 33.9618, 23.7989, 5.2863 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, 97, 45) }
```


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

```
.border{ border-color:rgb(219, 97, 45) }
```

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

Here you see how a box with a 4 pixel rgb(219, 97, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 97, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 97, 45);  
box-shadow:4px 4px 4px 4px rgb(219, 97,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9618, 23.7989, 5.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 97, 45) }
```

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

```
.background{ background-color: rgb(219, 97,  
45) }
```

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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