

Converting Colors

XYZ(33.1375, 19.4245, 8.6862)

Have a look what the booklet for
XYZ(33.1375, 19.4245, 8.6862)
contains.

XYZ(33.0629, 19.3751, 8.6538)	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(33.0629, 19.3751,
8.6538)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3D4B
RGB	222, 61, 75
RGB Percent	87%, 24%, 29%
CMY	0.1294, 0.7607, 0.7059
CMYK	0.00, 0.73, 0.66, 0.13
HSL	355°, 71%, 55%
HSV	355°, 73%, 87%
XYZ	33.0629, 19.3751, 8.6538
YIQ	110.7350, 91.4620, 38.4860

Conversions

Conversions Part 2

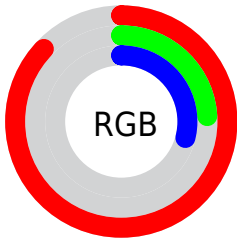
Format	Color
R_{YB}	222, 61, 75
Decimal	14564683
CIE _{Lab}	51.12, 62.32, 29.74
CIE _{LCh}	51, 69.053, 25.511
Yxy	19.3751, 0.5412, 0.3171
Android (android.graphics.Color)	4292754763 (0xFFDE3D4B)
YUV	110.7350, -17.6174, 97.5794
Hunter-Lab	44.0172, 57.0479, 19.1556

Details

The XYZ color **33.0629, 19.3751, 8.6538** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **39.4327, 57.7892, 68.7573**, and the grayscale version is **15.0649, 15.8494, 17.2600**.

A 20% lighter version of the original color is **51.5946, 36.1482, 23.3267**, and **14.5454, 7.4699, 1.9715** is the 20% darker color. If you saturate the color by 10%, you get **31.5264, 17.2414, 5.2469**, and if you desaturate by 10%, it is **35.3114, 22.5796, 13.3885**.

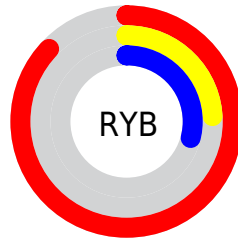
Distribution



Red (87%)

Green (24%)

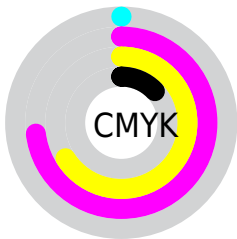
Blue (29%)



Red (87%)

Yellow (24%)

Blue (29%)

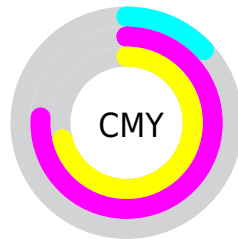


Cyan (0%)

Magenta (73%)

Yellow (66%)

Black (13%)



Cyan (13%)


Magenta (76%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0629, 19.3751, 8.6538 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 33.0629, 19.3751, 8.6538 by changing the saturation by 10% instead.

 33.0629, 19.3751,
8.6538


 33.0629, 19.3751,
8.6538


307.5930,
248.5118, 190.8958


 22.3341, 11.9416,
4.4224


 63.8277, 42.3670,
23.7975

 14.2206, 6.7039,
1.8598


 84.5945, 58.6942,
35.5469


 8.3570, 3.2776,
0.4670

 109.4379, 78.7547,
50.6393

 4.3779, 1.2783,
0.0000

 138.7234,
102.9330, 69.4932

 1.9181, 0.1243,
0.0000

 172.8163,
131.6135, 92.5273

 0.5873, 0.0000,
0.0000

212.0820,

 0.0000, 0.0000,

165.1805, 120.1601

0.0000

256.8858,
204.0185, 152.8101

■ 33.0629, 19.3751,
8.6538

■ 33.0629, 19.3751,
8.6538

■ 31.5264, 17.2414,
5.2469

■ 35.3114, 22.5796,
13.3885

■ 30.6138, 16.0366,
3.0302


■ 38.3434, 26.9670,
19.5681


■ 30.2440, 15.5775,
2.0419


■ 42.2232, 32.6390,
27.2976


■ 47.0082, 39.6853,
36.6723

■ 52.7503, 48.1876,
47.7797

 59.4981, 58.2213,
60.7009

 67.2963, 69.8567,
75.5122

 76.1874, 83.1594,
92.2853

 83.9339, 94.2695,
108.3798

Harmonies

Analogous

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



34.9365, 19.3751, 24.1920



33.0629, 19.3751, 8.6538



26.9363, 19.3751, 2.7689

Triad

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



33.0629, 19.3751, 8.6538



9.5451, 19.3751, 6.1241



17.4026, 19.3751, 85.5777

Complementary

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



33.0629, 19.3751, 8.6538



39.4327, 57.7892, 68.7573

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.



11.9127, 19.3751, 70.0386



33.0629, 19.3751, 8.6538



8.1499, 19.3751, 18.2765

Square

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



33.0629, 19.3751, 8.6538



13.3003, 19.3751, 2.0735



8.8946, 19.3751, 41.8975



24.6981, 19.3751, 76.8242

Rectangle

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



33.0629, 19.3751, 8.6538



21.9153, 19.3751, 1.5888



8.8946, 19.3751, 41.8975



15.3095, 19.3751, 82.8470

Sweetspot

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



33.0634, 19.3762, 8.6541



72.5125, 66.4097, 65.9817



40.2801, 21.7202, 71.1761



15.0294, 13.4857, 13.1766



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.



33.0634, 19.3762, 8.6541



42.4175, 22.6079, 5.4276



38.3518, 30.6370, 8.3087



13.7553, 13.7198, 14.4819



17.9815, 9.2596, 1.3024



1.2633, 0.6486, 0.1795

Inverse Universe

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



33.0634, 19.3762, 8.6541



42.4175, 22.6079, 5.4276



27.2694, 30.5853, 73.5730



13.7553, 13.7198, 14.4819



17.9815, 9.2596, 1.3024



1.2633, 0.6486, 0.1795

Previews

White Background



This preview shows how the XYZ color 33.0629, 19.3751, 8.6538 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 33.0629, 19.3751, 8.6538 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 33.0629, 19.3751, 8.6538

Background



This preview shows how black text looks on a background with the XYZ color 33.0629, 19.3751, 8.6538.



This preview shows how white text looks on a background with the XYZ color 33.0629, 19.3751,

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

33.0629, 19.3751, 8.6538

Protanopia

18.4176, 19.5657, 14.6102

Deuteranopia

19.9223, 19.6000, 7.8874



Tritanopia

32.8558, 19.4663, 7.0267

Trichromacy



Original Color

33.0629, 19.3751, 8.6538

Protanomaly

21.5069, 17.6391, 11.9440

Deuteranomaly

23.2534, 18.2092, 7.9194

Tritanomaly

32.9210, 19.4045, 7.6405

Monochromacy



Original Color

33.0629, 19.3751, 8.6538

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

18.8815, 15.2899, 13.5113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0629, 19.3751, 8.6538 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(222, 61, 75)` looks like.

```
.text, #text, p{  
    color:rgb(222, 61, 75)  
}
```

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(222, 61, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 61, 75) }
```

Border

The CSS property to change the border of an element to XYZ 33.0629, 19.3751, 8.6538 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(222, 61, 75) }
```


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

```
.border{ border-color:rgb(222, 61, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 61, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 61, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 61, 75);  
box-shadow:4px 4px 4px 4px rgb(222, 61,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0629, 19.3751, 8.6538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 61, 75) }
```

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

```
.background{ background-color: rgb(222, 61,  
75) }
```

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