

Converting Colors

XYZ(33.2347, 19.7547, 4.9560)

Have a look what the booklet for
XYZ(33.2347, 19.7547, 4.9560)
contains.

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Color

**XYZ(33.1282, 19.7358,
4.9691)**

Conversions

Conversions Part 1

Format	Color
Hex	E04031
RGB	224, 64, 49
RGB Percent	88%, 25%, 19%
CMY	0.1216, 0.7490, 0.8078
CMYK	0.00, 0.71, 0.78, 0.12
HSL	5°, 74%, 54%
HSV	5°, 78%, 88%
XYZ	33.1282, 19.7358, 4.9691
YIQ	110.1300, 100.1750, 29.2550

Conversions

Conversions Part 2

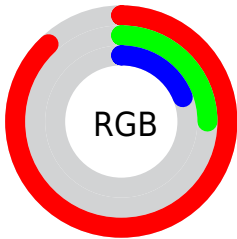
Format	Color
R_{YB}	224, 65, 49
Decimal	14696497
CIE _{Lab}	51.54, 60.77, 44.97
CIE _{LCh}	52, 75.598, 36.504
Yxy	19.7358, 0.5728, 0.3413
Android (android.graphics.Color)	4292886577 (0xFFE04031)
YUV	110.1300, -30.1371, 99.8640
Hunter-Lab	44.4250, 55.3657, 24.4657

Details

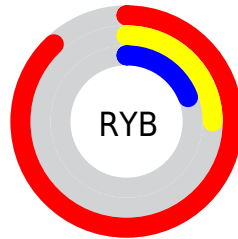
The XYZ color **33.1282, 19.7358, 4.9691** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **37.5189, 51.6303, 78.5086**, and the grayscale version is **14.9233, 15.7004, 17.0978**.

A 20% lighter version of the original color is **50.3572, 36.0421, 15.6120**, and **14.5136, 7.4802, 0.7650** is the 20% darker color. If you saturate the color by 10%, you get **31.8168, 17.6912, 2.7507**, and if you desaturate by 10%, it is **35.0989, 22.7242, 8.5652**.

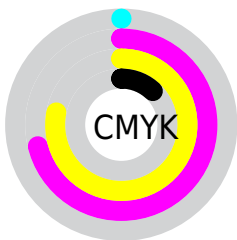
Distribution



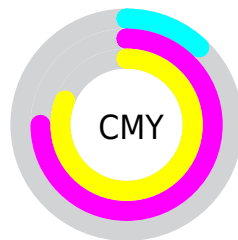
- Red (88%)
- Green (25%)
- Blue (19%)



- Red (88%)
- Yellow (25%)
- Blue (19%)



- Cyan (0%)
- Magenta (71%)
- Yellow (78%)
- Black (12%)





- Cyan (12%)
- Magenta (75%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1282, 19.7358, 4.9691 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 33.1282, 19.7358, 4.9691 by changing the saturation by 10% instead.

 33.1282, 19.7358,
4.9691


 33.1282, 19.7358,
4.9691


307.8818,
250.4812, 158.4547

 22.3844, 12.2031,
2.1707


 63.9290, 42.9738,
16.1894

 14.2578, 6.8822,
0.6574


 84.7166, 59.4479,
25.4484


 8.3831, 3.3885,
0.0000


 109.5829, 79.6713,
37.6981

 4.3949, 1.3378,
0.0000

 138.8933,
104.0284, 53.3569

 1.9279, 0.1702,
0.0000

 173.0130,
132.9035, 72.8434

 0.5930, 0.0000,
0.0000

 212.3074,

 0.0000, 0.0000,

166.6811, 96.5762

0.0000

257.1419,
205.7455, 124.9738

■ 33.1282, 19.7358,
4.9691

■ 33.1282, 19.7358,
4.9691

■ 31.8168, 17.6912,
2.7507

■ 35.0989, 22.7242,
8.5652

■ 31.0707, 16.4713,
1.6623


■ 37.8000, 26.7485,
13.7136


■ 30.9767, 16.3201,
1.5174


■ 41.2946, 31.8935,
20.5639

■ 45.6387, 38.2344,
29.2480

■ 50.8831, 45.8400,
39.8847

 57.0747, 54.7737,
52.5829

 64.2571, 65.0947,
67.4434

 72.4711, 76.8586,
84.5603

 81.7553, 90.1180,
104.0224

Harmonies

Analogous

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



37.3471, 19.7358, 17.0885



33.1282, 19.7358, 4.9691



25.2089, 19.7358, 1.4233

Triad

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



33.1282, 19.7358, 4.9691



8.2944, 19.7358, 8.7487



20.4627, 19.7358, 95.6651

Complementary

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



33.1282, 19.7358, 4.9691



37.5189, 51.6303, 78.5086

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.



13.5142, 19.7358, 87.2614



33.1282, 19.7358, 4.9691



7.6625, 19.7358, 26.5866

Square

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



33.1282, 19.7358, 4.9691



11.3386, 19.7358, 2.3489



9.2927, 19.7358, 57.2401



28.8640, 19.7358, 75.7430

Rectangle

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



33.1282, 19.7358, 4.9691



19.6638, 19.7358, 0.9368



9.2927, 19.7358, 57.2401



17.8810, 19.7358, 96.1840

Sweetspot

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



33.1286, 19.7370, 4.9694



72.2192, 67.2124, 61.6006



43.3988, 22.6680, 62.6800



14.8299, 13.4793, 11.8996



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.



33.1286, 19.7370, 4.9694



41.9550, 22.5486, 2.6043



42.3746, 38.2290, 8.0514



13.8013, 13.8885, 14.2601



18.0653, 9.5685, 0.8948



1.2854, 0.7296, 0.0731

Inverse Universe

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



37.5189, 51.6303, 78.5086



47.8002, 66.4207, 104.9089



21.6704, 19.9335, 73.2258



14.0108, 15.3607, 17.6141



20.5516, 28.5728, 45.4803



1.4545, 2.0405, 3.1624

Previews

White Background



This preview shows how the XYZ color 33.1282, 19.7358, 4.9691 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 33.1282, 19.7358, 4.9691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

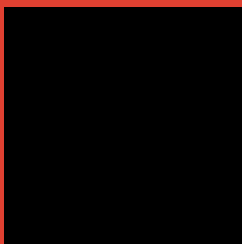
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1282, 19.7358, 4.9691

Background



This preview shows how black text looks on a background with the XYZ color 33.1282, 19.7358, 4.9691.



This preview shows how white text looks on a background with the XYZ color 33.1282, 19.7358,

4.9691.

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

33.1282, 19.7358, 4.9691

Protanopia

18.2197, 19.7935, 8.0145

Deuteranopia

20.1973, 19.8185, 4.4299



Tritanopia

33.3885, 19.6627, 6.8860

Trichromacy



Original Color

33.1282, 19.7358, 4.9691

Protanomaly

21.7154, 18.1538, 6.6345

Deuteranomaly

23.5903, 18.5988, 4.4444

Tritanomaly

33.3074, 19.7181, 6.1881

Monochromacy



Original Color

33.1282, 19.7358, 4.9691

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

18.4383, 15.1126, 11.1777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1282, 19.7358, 4.9691 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(224, 64, 49)` looks like.

```
.text, #text, p{  
    color:rgb(224, 64, 49)  
}
```

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(224, 64, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 64, 49) }
```

Border

The CSS property to change the border of an element to XYZ 33.1282, 19.7358, 4.9691 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(224, 64, 49) }
```


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

```
.border{ border-color:rgb(224, 64, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 64, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 64, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 64, 49);  
box-shadow:4px 4px 4px 4px rgb(224, 64,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1282, 19.7358, 4.9691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 64, 49) }
```

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

```
.background{ background-color: rgb(224, 64,  
49) }
```

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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