

Converting Colors

XYZ(24.6950, 13.8129, 3.3721)

Have a look what the booklet for
XYZ(24.6950, 13.8129, 3.3721)
contains.

XYZ(24.6950, 13.8129, 3.3721)	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(24.6950, 13.8129,
3.3721)**

Conversions

Conversions Part 1

Format	Color
Hex	C72828
RGB	199, 40, 40
RGB Percent	78%, 16%, 16%
CMY	0.2196, 0.8431, 0.8431
CMYK	0.00, 0.80, 0.80, 0.22
HSL	0°, 67%, 47%
HSV	0°, 80%, 78%
XYZ	24.6950, 13.8129, 3.3721
YIQ	87.5410, 94.7640, 33.7080

Conversions

Conversions Part 2

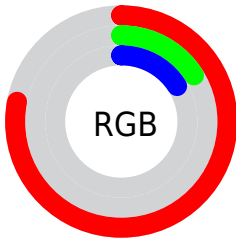
Format	Color
R _Y B	199, 40, 40
Decimal	13051944
CIE Lab	43.96, 60.59, 40.58
CIE LCh	44, 72.921, 33.812
Yxy	13.8129, 0.5897, 0.3298
Android (android.graphics.Color)	4291242024 (0xFFC72828)
YUV	87.5410, -23.4377, 97.7495
Hunter-Lab	37.1657, 53.5655, 20.6365

Details

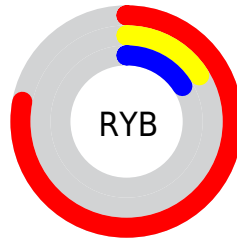
The XYZ color **24.6950, 13.8129, 3.3721** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **31.6042, 45.4153, 61.1328**, and the grayscale version is **9.2121, 9.6918, 10.5544**.

A 20% lighter version of the original color is **47.5734, 31.2392, 12.3265**, and **10.1533, 5.2342, 0.4752** is the 20% darker color. If you saturate the color by 10%, you get **23.9324, 12.6973, 1.8560**, and if you desaturate by 10%, it is **25.9773, 15.6897, 5.9205**.

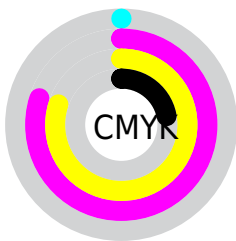
Distribution



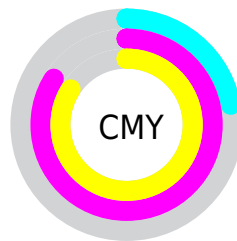
- Red (78%)
- Green (16%)
- Blue (16%)



- Red (78%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (22%)





- Cyan (22%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6950, 13.8129, 3.3721 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 24.6950, 13.8129, 3.3721 by changing the saturation by 10% instead.


 24.6950, 13.8129,
3.3721


 24.6950, 13.8129,
3.3721


268.6913,
216.0637, 140.9673


 15.9775, 7.9906,
1.2876


 50.6085, 32.7567,
12.5336


 9.5990, 4.0890,
0.0516


 68.5351, 46.6470,
20.4477


 5.1941, 1.7235,
0.0000

 90.2622, 63.9955,
31.1421

 2.3975, 0.4388,
0.0000

 116.1550, 85.1865,
45.0353

 0.8439, 0.0000,
0.0000

 146.5790,
110.6044, 62.5459

 0.0000, 0.0000,
0.0000

 181.8995,

140.6337, 84.0924

222.4818,
175.6586, 110.0933

24.6950, 13.8129,
3.3721

24.6950, 13.8129,
3.3721

23.9324, 12.6973,
1.8560

25.9773, 15.6897,
5.9205

23.5565, 12.1472,
1.1088


27.8484, 18.4279,
9.6400


23.5532, 12.1424,
1.1023

30.3681, 22.1149,
14.6488


33.5883, 26.8270,
21.0503

37.5559, 32.6327,
28.9377

 42.3136, 39.5945,
38.3958

 47.9009, 47.7703,
49.5033

 54.3547, 57.2140,
62.3336

 61.7097, 67.9764,
76.9555

Harmonies

Analogous

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



27.6305, 13.8129, 13.0220



24.6950, 13.8129, 3.3721



18.6688, 13.8129, 0.7245

Triad

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



24.6950, 13.8129, 3.3721



5.4687, 13.8129, 4.9133



13.8814, 13.8129, 74.3842

Complementary

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



24.6950, 13.8129, 3.3721



31.6042, 45.4153, 61.1328

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.



8.8099, 13.8129, 65.4858



24.6950, 13.8129, 3.3721



4.8695, 13.8129, 17.2562

Square

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



24.6950, 13.8129, 3.3721



7.8652, 13.8129, 1.0669



5.8911, 13.8129, 40.6091



20.3339, 13.8129, 60.0053

Rectangle

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



24.6950, 13.8129, 3.3721



14.3634, 13.8129, 0.2309



5.8911, 13.8129, 40.6091



11.9669, 13.8129, 74.0507

Sweetspot

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



24.6953, 13.8137, 3.3723



70.2035, 63.6429, 59.5054



34.6206, 17.7832, 55.6403



14.3958, 12.6994, 11.4829



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.



24.6953, 13.8137, 3.3723



41.4068, 21.5042, 2.2612



30.5926, 25.6083, 5.3381



10.6340, 10.6371, 11.0555



15.1454, 7.8079, 0.7088



0.7172, 0.3698, 0.0336

Inverse Universe

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



31.6042, 45.4153, 61.1328



53.9314, 78.7933, 106.9739



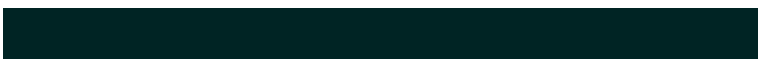
17.8404, 17.8877, 56.5448



10.9467, 12.0674, 13.6698



19.7592, 28.9123, 39.2836



0.9356, 1.3690, 1.8601

Previews

White Background



This preview shows how the XYZ color 24.6950, 13.8129, 3.3721 looks on a white 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

Black Background



This preview shows how the XYZ color 24.6950, 13.8129, 3.3721 looks on a black 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

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

XYZ 24.6950, 13.8129, 3.3721

Background



This preview shows how black text looks on a background with the XYZ color 24.6950, 13.8129, 3.3721.



This preview shows how white text looks on a background with the XYZ color 24.6950, 13.8129,

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

24.6950, 13.8129, 3.3721

Protanopia

12.8855, 14.0535, 6.0364

Deuteranopia

14.2593, 14.0945, 2.9462



Tritanopia

24.6950, 13.8129, 3.3721

Trichromacy



Original Color

24.6950, 13.8129, 3.3721

Protanomaly

15.3940, 12.2349, 4.6822

Deuteranomaly

16.6820, 12.6156, 2.8521

Tritanomaly

24.6950, 13.8129, 3.3721

Monochromacy



Original Color

24.6950, 13.8129, 3.3721

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

12.2927, 9.5506, 7.1568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6950, 13.8129, 3.3721 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(199, 40, 40)` looks like.

```
.text, #text, p{  
    color:rgb(199, 40, 40)  
}
```

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(199, 40, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 40, 40) }
```

Border

The CSS property to change the border of an element to XYZ 24.6950, 13.8129, 3.3721 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(199, 40, 40) }
```


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

```
.border{ border-color:rgb(199, 40, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 40, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 40, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 40, 40);  
box-shadow:4px 4px 4px 4px rgb(199, 40,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6950, 13.8129, 3.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 40, 40) }
```

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

```
.background{ background-color: rgb(199, 40,  
40) }
```

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