

# Converting Colors

XYZ(25.2445, 13.3155, 3.2471)

Have a look what the booklet for  
XYZ(25.2445, 13.3155, 3.2471)  
contains.

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# Color

**XYZ(25.2445, 13.3155,  
3.2471)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB1328
RGB	203, 19, 40
RGB Percent	80%, 7%, 16%
CMY	0.2039, 0.9254, 0.8431
CMYK	0.00, 0.91, 0.80, 0.20
HSL	353°, 83%, 44%
HSV	353°, 91%, 80%
XYZ	25.2445, 13.3155, 3.2471
YIQ	76.4100, 102.9230, 45.5390

# Conversions

## Conversions Part 2

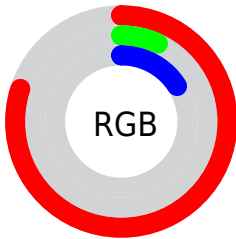
Format	Color
R <sub>Y</sub> B	203, 19, 40
Decimal	13308712
CIE Lab	43.23, 66.08, 40.11
CIE LCh	43, 77.297, 31.257
Yxy	13.3155, 0.6038, 0.3185
Android (android.graphics.Color)	4291498792 (0xFFCB1328)
YUV	76.4100, -17.9501, 111.0194
Hunter-Lab	36.4904, 59.6302, 20.2674

# Details

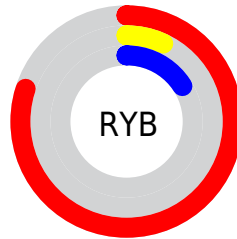
The XYZ color **25.2445, 13.3155, 3.2471** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **30.0713, 46.2288, 51.6091**, and the grayscale version is **6.9663, 7.3291, 7.9814**.

A 20% lighter version of the original color is **46.6608, 29.4141, 12.0223**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **24.7845, 12.7588, 1.9744**, and if you desaturate by 10%, it is **26.1282, 14.4745, 5.4179**.

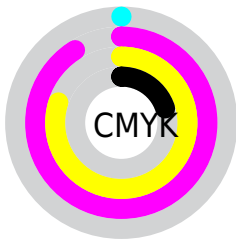
# Distribution



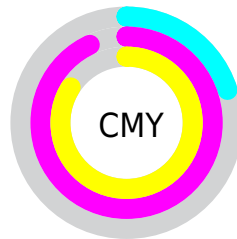
- Red (80%)
- Green (7%)
- Blue (16%)



- Red (80%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (91%)
- Yellow (80%)
- Black (20%)




- Cyan (20%)
- Magenta (93%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2445, 13.3155, 3.2471 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 25.2445, 13.3155, 3.2471 by changing the saturation by 10% instead.





 25.2445, 13.3155,  
3.2471


 25.2445, 13.3155,  
3.2471


271.3786,  
212.9299, 139.4481


 16.3890, 7.6462,  
1.2221


 51.4936, 31.8694,  
12.2323


 9.8924, 3.8694,  
0.0000


 69.6180, 45.5228,  
20.0297

 5.3894, 1.6008,  
0.0000

 91.5627, 62.6064,  
30.5882

 2.5146, 0.3581,  
0.0000

 117.6931, 83.5044,  
44.3265

 0.9026, 0.0000,  
0.0000

 148.3745,  
108.6014, 61.6631

 0.0000, 0.0000,  
0.0000

 183.9723,

138.2817, 83.0166

224.8519,  
172.9297, 108.8054

25.2445, 13.3155,  
3.2471

25.2445, 13.3155,  
3.2471

24.7845, 12.7588,  
1.9744

26.1282, 14.4745,  
5.4179

27.5284, 16.4108,  
8.5491

29.5104, 19.2307,  
12.7363

32.1290, 23.0233,  
18.0634

35.4332, 27.8666,  
24.6056

■ 39.4666, 33.8310,  
32.4319

■ 44.2696, 40.9806,  
41.6058

■ 49.8794, 49.3746,  
52.1868

■ 56.3309, 59.0683,  
64.2307

# Harmonies

## Analogous

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



27.9769, 13.3155, 13.7882



25.2445, 13.3155, 3.2471



19.0273, 13.3155, 0.4733

# Triad

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



25.2445, 13.3155, 3.2471



5.0162, 13.3155, 3.7305



12.9098, 13.3155, 78.5947

# Complementary

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



25.2445, 13.3155, 3.2471



30.0713, 46.2288, 51.6091

# 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.



7.8941, 13.3155, 66.7522



25.2445, 13.3155, 3.2471



4.2915, 13.3155, 15.2324

# Square

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



25.2445, 13.3155, 3.2471



7.5796, 13.3155, 0.5918



5.1535, 13.3155, 39.1655



19.6062, 13.3155, 64.7738



# Rectangle

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



25.2445, 13.3155, 3.2471



14.4849, 13.3155, 0.0000



5.1535, 13.3155, 39.1655



10.9879, 13.3155, 77.4443

# Sweetspot

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



25.2448, 13.3163, 3.2473



68.5680, 60.3360, 59.0702



30.1948, 14.6672, 57.7391



14.1145, 12.0798, 11.5648



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.



25.2448, 13.3163, 3.2473



41.4626, 21.3490, 3.1023



28.3646, 19.9803, 2.9790



11.2635, 11.2341, 11.9220



15.7902, 8.1267, 1.3478



0.8325, 0.4264, 0.1636



# Inverse Universe

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



25.2448, 13.3163, 3.2473



41.4626, 21.3490, 3.1023



19.3647, 21.0828, 59.5483



11.2635, 11.2341, 11.9220



15.7902, 8.1267, 1.3478



0.8325, 0.4264, 0.1636



# Previews

## White Background



This preview shows how the XYZ color 25.2445, 13.3155, 3.2471 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



## 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 25.2445, 13.3155, 3.2471**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.2445, 13.3155, 3.2471.



This preview shows how white text looks on a background with the XYZ color 25.2445, 13.3155,



# 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

25.2445, 13.3155, 3.2471

### Protanopia

12.6027, 13.7483, 6.4043

### Deuteranopia

13.7491, 13.5514, 2.8107



## Tritanopia

25.0644, 13.3935, 1.8364

# Trichromacy



## Original Color

25.2445, 13.3155, 3.2471

## Protanomaly

14.8792, 11.1331, 4.7328

## Deuteranomaly

16.2671, 11.5181, 2.5941

## Tritanomaly

25.1020, 13.3449, 2.2301

# Monochromacy



## Original Color

25.2445, 13.3155, 3.2471

## Achromatopsia

6.8694, 7.2272, 7.8704

## Achromatomaly

10.2894, 7.2288, 5.5556

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.2445, 13.3155, 3.2471 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(203, 19, 40)` looks like.

```
.text, #text, p{  
    color:rgb(203, 19, 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(203, 19, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 19, 40) }
```

## Border

The CSS property to change the border of an element to XYZ 25.2445, 13.3155, 3.2471 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(203, 19, 40) }
```



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

```
.border{ border-color:rgb(203, 19, 40) }
```

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

Here you see how a box with a 4 pixel rgb(203, 19, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 19, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 19, 40);  
box-shadow:4px 4px 4px 4px rgb(203, 19,  
40) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.2445, 13.3155, 3.2471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 19, 40) }
```

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

```
.background{ background-color: rgb(203, 19,  
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](#).

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