

Converting Colors

XYZ(25.6704, 13.1586, 4.5906)

Have a look what the booklet for
XYZ(25.6704, 13.1586, 4.5906)
contains.

XYZ(25.5444, 13.0944, 4.5493)	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(25.5444, 13.0944,
4.5493)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0035
RGB	204, 0, 53
RGB Percent	80%, 0%, 21%
CMY	0.2000, 0.9998, 0.7922
CMYK	0.00, 1.00, 0.74, 0.20
HSL	344°, 100%, 40%
HSV	344°, 100%, 80%
XYZ	25.5444, 13.0944, 4.5493
YIQ	67.0380, 104.5710, 59.7310

Conversions

Conversions Part 2

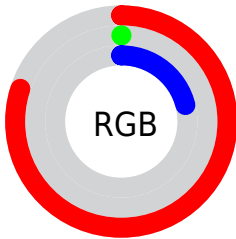
Format	Color
RYB	204, 0, 53
Decimal	13369397
CIELab	42.91, 68.77, 32.16
CIELCh	43, 75.915, 25.065
Yxy	13.0944, 0.5915, 0.3032
Android (android.graphics.Color)	4291559477 (0xFFCC0035)
YUV	67.0380, -6.9207, 120.1157
Hunter-Lab	36.1862, 62.6801, 17.8764

Details

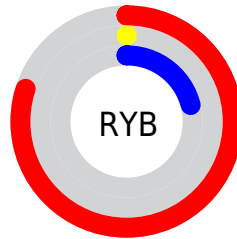
The XYZ color **25.5444, 13.0944, 4.5493** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **27.1825, 45.4213, 36.6305**, and the grayscale version is **5.3437, 5.6220, 6.1224**.

A 20% lighter version of the original color is **46.8199, 28.8164, 14.8988**, and **11.0449, 5.6869, 0.8322** is the 20% darker color. If you saturate the color by 10%, you get **25.5435, 13.0940, 4.5455**, and if you desaturate by 10%, it is **26.2062, 13.7720, 6.7624**.

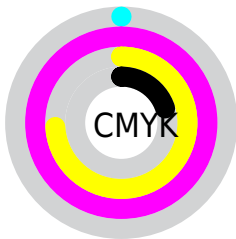
Distribution



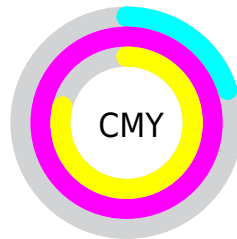
- Red (80%)
- Green (0%)
- Blue (21%)



- Red (80%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (20%)





- Cyan (20%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5444, 13.0944, 4.5493 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 25.5444, 13.0944, 4.5493 by changing the saturation by 10% instead.


 25.5444, 13.0944,
4.5493

 25.5444, 13.0944,
4.5493


272.8362,
211.5218, 154.1481

 16.6140, 7.4936,
1.9313


 51.9756, 31.4733,
15.2580


 10.0533, 3.7727,
0.5125


 70.2071, 45.0201,
24.1858

 5.4968, 1.5472,
0.0000

 92.2697, 61.9844,
36.0539

 2.5793, 0.3216,
0.0000

 118.5287, 82.7506,
51.2808

 0.9354, 0.0000,
0.0000

 149.3495,
107.7030, 70.2852

 0.0000, 0.0000,
0.0000

 185.0975,

137.2261, 93.4855

226.1379,
171.7042, 121.3003

■ 25.5444, 13.0944,
4.5493

■ 25.5444, 13.0944,
4.5493

■ 25.5435, 13.0940,
4.5455

■ 26.2062, 13.7720,
6.7624

■ 27.2584, 15.0400,
9.6918

■ 28.8026, 17.0884,
13.4124

■ 30.8959, 20.0196,
17.9806

■ 33.5875, 23.9205,
23.4473

■ 36.9205, 28.8672,
29.8590

■ 40.9343, 34.9284,
37.2588

■ 45.6648, 42.1669,
45.6872

■ 51.1453, 50.6407,
55.1821

Harmonies

Analogous

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



27.2104, 13.0944, 17.1889



25.5444, 13.0944, 4.5493



19.9958, 13.0944, 0.8207

Triad

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



25.5444, 13.0944, 4.5493



5.3538, 13.0944, 2.6676



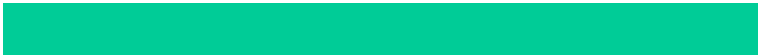
11.5099, 13.0944, 75.7217

Complementary

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



25.5444, 13.0944, 4.5493



27.1825, 45.4213, 36.6305

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.



7.0850, 13.0944, 59.8107



25.5444, 13.0944, 4.5493



4.3077, 13.0944, 11.6800

Square

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



25.5444, 13.0944, 4.5493



8.2902, 13.0944, 0.3641



4.8250, 13.0944, 32.5441



17.7996, 13.0944, 67.2544

Rectangle

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



25.5444, 13.0944, 4.5493



15.5505, 13.0944, 0.0436



4.8250, 13.0944, 32.5441



9.7846, 13.0944, 72.8322

Sweetspot

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



25.5447, 13.0952, 4.5495



67.4951, 57.3941, 61.1668



23.4056, 10.8077, 57.9787



13.8131, 11.3245, 11.9344



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.



25.5447, 13.0952, 4.5495



42.2296, 21.6558, 7.1412



25.9438, 14.9213, 1.5139



11.3299, 11.2607, 12.2719



16.1103, 8.2547, 3.0333



0.8630, 0.4386, 0.3244

Inverse Universe

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



25.5447, 13.0952, 4.5495



42.2296, 21.6558, 7.1412



22.8568, 28.2744, 61.3791



11.3299, 11.2607, 12.2719



16.1103, 8.2547, 3.0333



0.8630, 0.4386, 0.3244

Previews

White Background



This preview shows how the XYZ color 25.5444, 13.0944, 4.5493 looks on a white background.

Color Contrast Check

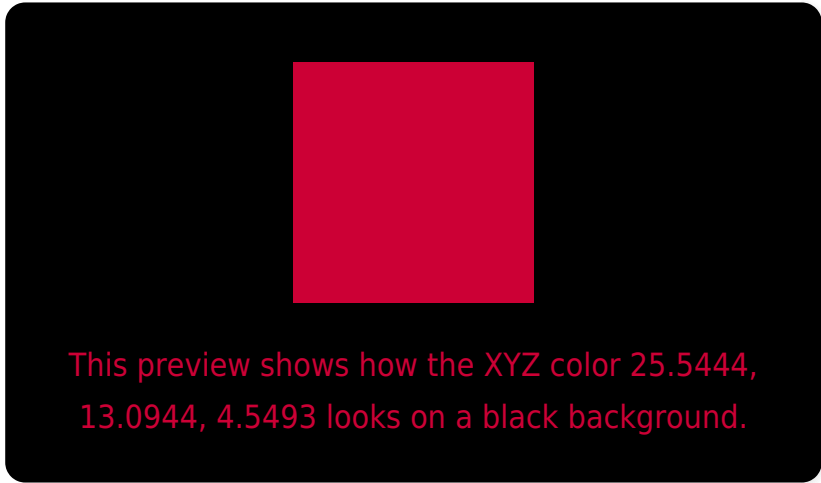
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5444, 13.0944, 4.5493

Background



This preview shows how black text looks on a background with the XYZ color 25.5444, 13.0944, 4.5493.



This preview shows how white text looks on a background with the XYZ color 25.5444, 13.0944,

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

25.5444, 13.0944, 4.5493

Protanopia

12.9538, 13.8593, 9.5818

Deuteranopia

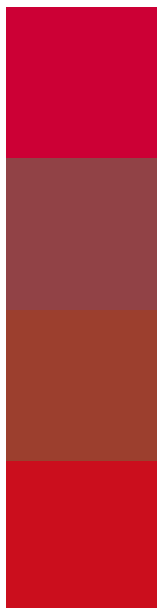
13.9330, 13.7580, 4.1117



Tritanopia

25.0017, 13.3048, 1.7023

Trichromacy



Original Color

25.5444, 13.0944, 4.5493

Protanomaly

14.7308, 10.3584, 7.0173

Deuteranomaly

15.9810, 10.8202, 3.8310

Tritanomaly

25.0074, 13.0993, 2.3728

Monochromacy



Original Color

25.5444, 13.0944, 4.5493

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.0695, 5.8575, 5.2100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5444, 13.0944, 4.5493 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(204, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 53)  
}
```

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(204, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 53) }
```

Border

The CSS property to change the border of an element to XYZ 25.5444, 13.0944, 4.5493 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(204, 0, 53) }
```


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

```
.border{ border-color:rgb(204, 0, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.5444, 13.0944, 4.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 53) }
```

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

```
.background{ background-color: rgb(204, 0,  
53) }
```

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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