

Converting Colors

XYZ(24.9472, 12.8555, 1.4040)

Have a look what the booklet for
XYZ(24.9472, 12.8555, 1.4040)
contains.

XYZ(24.9457, 12.8549, 1.3962)	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(24.9457, 12.8549,
1.3962)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0008
RGB	204, 0, 8
RGB Percent	80%, 0%, 3%
CMY	0.2000, 0.9998, 0.9686
CMYK	0.00, 1.00, 0.96, 0.20
HSL	358°, 100%, 40%
HSV	358°, 100%, 80%
XYZ	24.9457, 12.8549, 1.3962
YIQ	61.9080, 119.0160, 45.7360

Conversions

Conversions Part 2

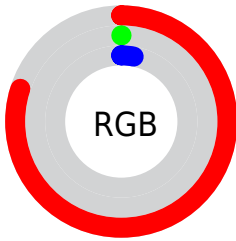
Format	Color
RYB	204, 0, 8
Decimal	13369352
CIELab	42.54, 67.78, 54.13
CIElCh	43, 86.742, 38.608
Yxy	12.8549, 0.6364, 0.3280
Android (android.graphics.Color)	4291559432 (0xFFCC0008)
YUV	61.9080, -26.5766, 124.6147
Hunter-Lab	35.8537, 61.4497, 22.7888

Details

The XYZ color **24.9457, 12.8549, 1.3962** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **31.5616, 47.1731, 59.6904**, and the grayscale version is **4.5939, 4.8331, 5.2633**.

A 20% lighter version of the original color is **45.2522, 28.0625, 7.0345**, and **10.6475, 5.4890, 0.4983** is the 20% darker color. If you saturate the color by 10%, you get **24.9453, 12.8547, 1.3951**, and if you desaturate by 10%, it is **25.3646, 13.4353, 2.3304**.

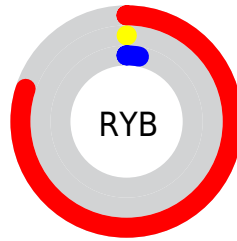
Distribution



Red (80%)

Green (0%)

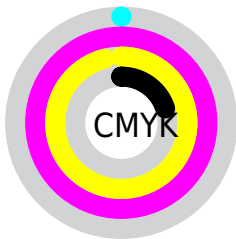
Blue (3%)



Red (80%)

Yellow (0%)

Blue (3%)

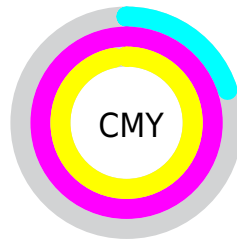


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9457, 12.8549, 1.3962 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 24.9457, 12.8549, 1.3962 by changing the saturation by 10% instead.


 24.9457, 12.8549,
1.3962


 24.9457, 12.8549,
1.3962


 269.9200,
209.9856, 112.1567

 16.1651, 7.3287,
0.1388

 51.0126, 31.0429,
7.3124


 9.7327, 3.6685,
0.0000


 69.0297, 44.4734,
13.0215

 5.2830, 1.4899,
0.0000

 90.8563, 61.3075,
21.1225

 2.4507, 0.2816,
0.0000

 116.8579, 81.9296,
32.0341


 0.8705, 0.0000,
0.0000


 147.3996,
106.7241, 46.1747


 0.0000, 0.0000,
0.0000


 182.8470,


136.0753, 63.9630


 223.5654,
170.3677, 85.8175


 24.9457, 12.8549,
1.3962


 24.9457, 12.8549,
1.3962


 24.9453, 12.8547,
1.3951

 25.3646, 13.4353,
2.3304

 26.2065, 14.6192,
4.1520

 27.5909, 16.6037,
7.0314

 29.5886, 19.4966,
11.0961

 32.2597, 23.3893,
16.4556

■ 35.6573, 28.3617,
23.2068

■ 39.8288, 34.4861,
31.4377

■ 44.8180, 41.8280,
41.2287

■ 50.6653, 50.4485,
52.6545

Harmonies

Analogous

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



29.3898, 12.8549, 9.2609



24.9457, 12.8549, 1.3962



17.4143, 12.8549, 0.0000

Triad

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



24.9457, 12.8549, 1.3962



3.8408, 12.8549, 4.5294



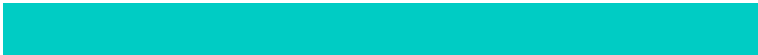
14.2027, 12.8549, 88.5765

Complementary

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



24.9457, 12.8549, 1.3962



31.5616, 47.1731, 59.6904

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.



8.1745, 12.8549, 81.6502



24.9457, 12.8549, 1.3962



3.5147, 12.8549, 20.1219

Square

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



24.9457, 12.8549, 1.3962



5.9219, 12.8549, 0.3893



4.7802, 12.8549, 50.7451



21.8872, 12.8549, 65.3695

Rectangle

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



24.9457, 12.8549, 1.3962



12.5269, 12.8549, 0.0000



4.7802, 12.8549, 50.7451



11.9146, 12.8549, 89.9375

Sweetspot

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



24.9460, 12.8557, 1.3964



65.6505, 56.6563, 51.4532



33.0967, 15.8036, 58.4324



13.3908, 11.1555, 9.7105



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.



24.9460, 12.8557, 1.3964



41.2945, 21.2818, 2.2171



28.7137, 20.4610, 2.4372



11.2298, 11.2206, 11.7446



15.7090, 8.0942, 0.9201



0.8168, 0.4201, 0.0809

Inverse Universe

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



24.9460, 12.8557, 1.3964



41.2945, 21.2818, 2.2171



16.7179, 15.9965, 59.3329



11.2298, 11.2206, 11.7446



15.7090, 8.0942, 0.9201



0.8168, 0.4201, 0.0809

Previews

White Background



This preview shows how the XYZ color 24.9457, 12.8549, 1.3962 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 24.9457, 12.8549, 1.3962

Background



This preview shows how black text looks on a background with the XYZ color 24.9457, 12.8549, 1.3962.



This preview shows how white text looks on a background with the XYZ color 24.9457, 12.8549,

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

24.9457, 12.8549, 1.3962

Protanopia

12.2623, 13.4973, 3.0576

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.5900, 13.0223, 1.2175

Trichromacy



Original Color

24.9457, 12.8549, 1.3962

Protanomaly

14.2963, 10.2465, 1.9337

Deuteranomaly

15.6437, 10.6199, 1.3115

Tritanomaly

24.7765, 12.9660, 1.2830

Monochromacy



Original Color

24.9457, 12.8549, 1.3962

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

8.0829, 5.1956, 2.7673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9457, 12.8549, 1.3962 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, 8)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 8) }
```

Border

The CSS property to change the border of an element to XYZ 24.9457, 12.8549, 1.3962 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, 8) }
```


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

```
.border{ border-color:rgb(204, 0, 8) }
```

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, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(204, 0, 8); box-shadow:4px  
4px 4px 4px rgb(204, 0, 8) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9457, 12.8549, 1.3962 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, 8) }
```

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

```
.background{ background-color: rgb(204, 0,  
8) }
```

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