

# Converting Colors

XYZ(21.4026, 6.4525, 0.0000)

Have a look what the booklet for  
XYZ(21.4026, 6.4525, 0.0000)  
contains.

<b>XYZ(24.6286, 12.6965, 1.1526)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(24.6286, 12.6965,  
1.1526)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB0000
RGB	203, 0, 0
RGB Percent	80%, 0%, 0%
CMY	0.2039, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.20
HSL	0°, 100%, 40%
HSV	0°, 100%, 80%
XYZ	24.6286, 12.6965, 1.1526
YIQ	60.6970, 120.9880, 43.0360

# Conversions

## Conversions Part 2

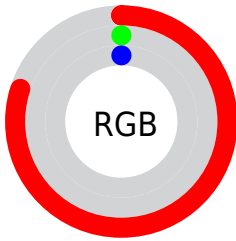
Format	Color
<b>RYB</b>	203, 0, 0
Decimal	13303808
CIELab	42.30, 67.46, 56.61
CIElCh	42, 88.065, 40.000
Yxy	12.6965, 0.6401, 0.3300
Android (android.graphics.Color)	4291493888 (0xFFCB0000)
YUV	60.6970, -29.9236, 124.7997
Hunter-Lab	35.6321, 61.0212, 23.0246

# Details

The XYZ color **24.6286, 12.6965, 1.1526** 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 **32.1254, 47.0038, 63.8789**, and the grayscale version is **4.4248, 4.6553, 5.0696**.

A 20% lighter version of the original color is **45.1083, 28.0049, 6.2768**, and **10.4812, 5.4033, 0.4905** is the 20% darker color. If you saturate the color by 10%, you get **24.6288, 12.6973, 1.1527**, and if you desaturate by 10%, it is **25.0135, 13.2603, 1.9171**.

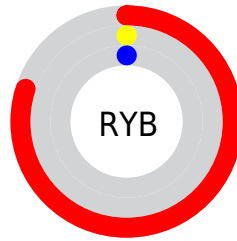
# Distribution



Red (80%)

Green (0%)

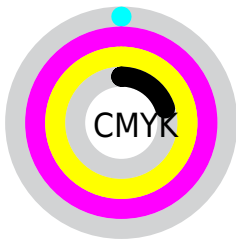
Blue (0%)



Red (80%)

Yellow (0%)

Blue (0%)

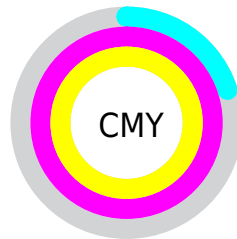


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (100%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6286, 12.6965, 1.1526 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 24.6286, 12.6965, 1.1526 by changing the saturation by 10% instead.





 24.6286, 12.6965,  
1.1526


 24.6286, 12.6965,  
1.1526


 268.3651,  
208.9633, 107.3977


 15.9278, 7.2199,  
0.0000


 50.5013, 30.7574,  
6.5579


 9.5636, 3.6000,  
0.0000


 68.4039, 44.1106,  
11.9059

 5.1706, 1.4524,  
0.0000

 90.1046, 60.8580,  
19.5756

 2.3835, 0.2549,  
0.0000

 115.9686, 81.3841,  
29.9855


 0.8369, 0.0000,  
0.0000


 146.3613,  
106.0733, 43.5541


 0.0000, 0.0000,  
0.0000


 181.6480,


135.3100, 60.7000


 222.1942,  
169.4785, 81.8416


 24.6286, 12.6965,  
1.1526


 24.6286, 12.6965,  
1.1526


 24.6288, 12.6973,  
1.1527

 25.0135, 13.2603,  
1.9171

 25.8020, 14.4144,  
3.4838

 27.1330, 16.3622,  
6.1290

 29.0803, 19.2119,  
9.9996

 31.7064, 23.0547,  
15.2198

■ 35.0660, 27.9707,  
21.8983

■ 39.2082, 34.0320,  
30.1330

■ 44.1780, 41.3041,  
40.0133

■ 50.0170, 49.8479,  
51.6217

# Harmonies

## Analogous

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



29.3694, 12.6965, 8.4261



24.6286, 12.6965, 1.1526



16.9476, 12.6965, 0.0000

# Triad

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



24.6286, 12.6965, 1.1526



3.6409, 12.6965, 4.7491



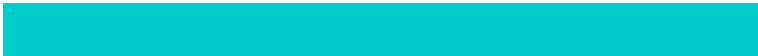
14.4075, 12.6965, 89.3562

# Complementary

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



24.6286, 12.6965, 1.1526



32.1254, 47.0038, 63.8789

# 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.



8.2278, 12.6965, 83.7882



24.6286, 12.6965, 1.1526



3.3894, 12.6965, 21.1422

# Square

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



24.6286, 12.6965, 1.1526



5.6118, 12.6965, 0.3827



4.7245, 12.6965, 52.8002



22.1974, 12.6965, 64.5157



# Rectangle

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



24.6286, 12.6965, 1.1526



12.0676, 12.6965, 0.0000



4.7245, 12.6965, 52.8002



12.0677, 12.6965, 91.2853

# Sweetspot

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



24.6289, 12.6973, 1.1528



65.3494, 56.5408, 49.8524



35.4078, 17.0082, 57.9162



13.3228, 11.1295, 9.3491



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.



24.6289, 12.6973, 1.1528



41.2406, 21.2611, 1.9302



29.3308, 22.1012, 2.7201



11.2125, 11.2140, 11.6530



15.6739, 8.0807, 0.7336



0.8087, 0.4170, 0.0379



# Inverse Universe

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



32.1254, 47.0038, 63.8789



53.7935, 78.7069, 106.9645



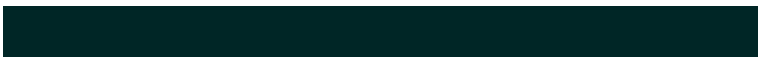
15.4818, 13.7165, 58.3310



11.5431, 12.7267, 14.4185



20.4447, 29.9134, 40.6526



1.0548, 1.5433, 2.0972



# Previews

## White Background



This preview shows how the XYZ color 24.6286, 12.6965, 1.1526 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 24.6286, 12.6965, 1.1526**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.6286, 12.6965, 1.1526.



This preview shows how white text looks on a background with the XYZ color 24.6286, 12.6965,



# 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

24.6286, 12.6965, 1.1526

### Protanopia

12.1069, 13.4199, 2.9295

### Deuteranopia

13.3280, 13.2165, 1.8486



## Tritanopia

24.3203, 12.8833, 1.2049

# Trichromacy



## Original Color

24.6286, 12.6965, 1.1526

## Protanomaly

14.0820, 10.1399, 1.7453

## Deuteranomaly

15.4329, 10.5132, 1.2158

## Tritanomaly

24.4886, 12.8195, 1.1837

# Monochromacy



## Original Color

24.6286, 12.6965, 1.1526

## Achromatopsia

4.4355, 4.6665, 5.0818

## Achromatomaly

7.9018, 5.1082, 2.4890

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.6286, 12.6965, 1.1526 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, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(203, 0, 0)  
}
```

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, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 0, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 24.6286, 12.6965, 1.1526 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, 0, 0) }
```



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

```
.border{ border-color:rgb(203, 0, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 0, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(203, 0, 0); box-shadow:4px  
4px 4px 4px rgb(203, 0, 0) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.6286, 12.6965, 1.1526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 0, 0) }
```

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

```
.background{ background-color: rgb(203, 0,  
0) }
```

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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