

# Converting Colors

XYZ(23.1556, 24.3635, 26.5312)

Have a look what the booklet for  
XYZ(23.1556, 24.3635, 26.5312)  
contains.

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# Color

**XYZ(23.0288, 24.2281,  
26.3844)**

# Conversions

Conversions Part 1	
Format	Color
Hex	878787
RGB	135, 135, 135
RGB Percent	53%, 53%, 53%
CMY	0.4706, 0.4706, 0.4706
CMYK	0.00, 0.00, 0.00, 0.47
HSL	123°, 0%, 53%
HSV	123°, 0%, 53%
XYZ	23.0288, 24.2281, 26.3844
YIQ	135.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

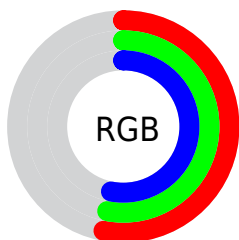
Format	Color
<a href="#">RYB</a>	<a href="#">135, 135, 135</a>
Decimal	<a href="#">8882055</a>
CIELab	<a href="#">56.32, 0.00, -0.01</a>
CIELCh	<a href="#">56, 0.007, 296.530</a>
Yxy	<a href="#">24.2281, 0.3127, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4287072135</a> ( <a href="#">0xFF878787</a> )
YUV	<a href="#">135.0000, 0.0000, 0.0000</a>
Hunter-Lab	<a href="#">49.2220, -2.6264, 2.6743</a>

# Details

The XYZ color **23.0288, 24.2281, 26.3844** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.0297, 24.2287, 26.3857**, and the grayscale version is **23.0297, 24.2290, 26.3854**.

A 20% lighter version of the original color is **47.7994, 50.2886, 54.7643**, and **8.6345, 9.0842, 9.8927** is the 20% darker color. If you saturate the color by 10%, you get **20.1446, 22.8400, 21.8213**, and if you desaturate by 10%, it is **26.2984, 25.8037, 31.5330**.

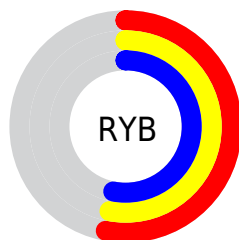
# Distribution



Red (53%)

Green (53%)

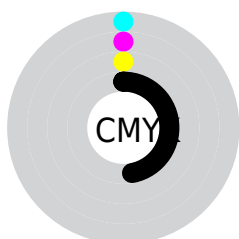
Blue (53%)



Red (53%)

Yellow (53%)

Blue (53%)

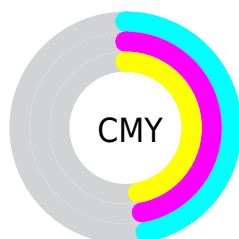


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (47%)



Cyan (47%)


Magenta (47%)


Yellow (47%)

# Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0288, 24.2281, 26.3844 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 23.0288, 24.2281, 26.3844 by changing the saturation by 10% instead.


 23.0288, 24.2281,  
26.3844


 23.0288, 24.2281,  
26.3844


260.4055,  
273.9717, 298.3293


 14.7356, 15.5029,  
16.8831


 47.9069, 50.4022,  
54.8861

 8.7191, 9.1731,  
9.9901


 65.2225, 68.6198,  
74.7236

 4.6141, 4.8543,  
5.2869


 86.2763, 90.7705,  
98.8435

 2.0551, 2.1620,  
2.3549

111.4337,  
117.2384, 127.6645

 0.6646, 0.6992,  
0.7617


141.0599,  
148.4081, 161.6050


 0.0000, 0.0000,  
0.0000


175.5204,


184.6640, 201.0836

215.1804,  
226.3904, 246.5189


 23.0288, 24.2281,  
26.3844


 23.0288, 24.2281,  
26.3844


 20.1446, 22.8400,  
21.8213


 26.2984, 25.8037,  
31.5330

 17.6297, 21.6294,  
17.8216


 29.9646, 27.5703,  
37.2853

 15.4697, 20.5902,  
14.3638


 34.0410, 29.5348,  
43.6605


 13.6486, 19.7146,  
11.4246


 38.5397, 31.7034,  
50.6764


 12.1493, 18.9942,  
8.9791


 43.4724, 34.0815,  
58.3504


 10.9530, 18.4201,  
7.0001


 48.8502, 36.6746,  
66.6989


 10.0391, 17.9821,  
5.4581

 54.6839, 39.4880,  
75.7378

 9.3843, 17.6690,  
4.3199

 60.9840, 42.5267,  
85.4827

 8.9616, 17.4678,  
3.5478

 67.2051, 45.5092,  
95.9224

# Harmonies

## Analogous

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



23.0280, 24.2281, 26.3849



23.0288, 24.2281, 26.3844



23.0294, 24.2281, 26.3828

# Triad

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



23.0288, 24.2281, 26.3844



23.0290, 24.2281, 26.3764



23.0265, 24.2281, 26.3800

# Complementary

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



23.0288, 24.2281, 26.3844



23.0297, 24.2287, 26.3857

# 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.



23.0267, 24.2281, 26.3777



23.0288, 24.2281, 26.3844



23.0282, 24.2281, 26.3757

# Square

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



23.0288, 24.2281, 26.3844



23.0295, 24.2281, 26.3782



23.0274, 24.2281, 26.3762



23.0266, 24.2281, 26.3823

# Rectangle

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



23.0288, 24.2281, 26.3844



23.0296, 24.2281, 26.3814



23.0274, 24.2281, 26.3762



23.0265, 24.2281, 26.3792

# Sweetspot

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



23.0295, 24.2291, 26.3849



41.2402, 43.3880, 47.2495



23.0299, 24.2293, 26.3849



9.5508, 10.0482, 10.9424



65.7814, 69.2071, 75.3665

# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.0295, 24.2291, 26.3849



41.2402, 43.3880, 47.2495



23.0296, 24.2292, 26.3854



5.2251, 5.4972, 5.9864



8.0257, 15.9931, 2.8550



0.0284, 0.0556, 0.0130



# Inverse Universe

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



23.0297, 24.2287, 26.3857



41.2402, 43.3880, 47.2495



23.0296, 24.2287, 26.3852



5.2251, 5.4972, 5.9864



12.8137, 6.1898, 19.3892



0.0452, 0.0218, 0.0713



# Previews

## White Background



This preview shows how the XYZ color 23.0288, 24.2281, 26.3844 looks on a white 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

# Black Background



This preview shows how the XYZ color 23.0288, 24.2281, 26.3844 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

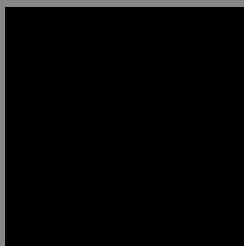
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

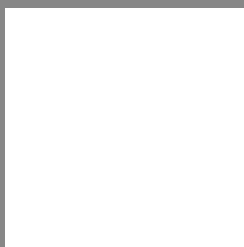
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 23.0288, 24.2281, 26.3844**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.0288, 24.2281, 26.3844.



This preview shows how white text looks on a background with the XYZ color 23.0288, 24.2281,



# 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

23.0288, 24.2281, 26.3844

### Protanopia

23.2148, 24.1178, 26.3533

### Deuteranopia

24.5929, 24.2132, 26.6700



## **Tritanopia**

23.7125, 24.2981, 29.8258

# Trichromacy



**Original Color**  
23.0288, 24.2281, 26.3844

**Protanomaly**  
23.0516, 24.0337, 26.3457

**Deuteranomaly**  
24.0229, 24.1197, 26.6820

**Tritanomaly**  
23.4862, 24.2075, 28.6340

# Monochromacy



**Original Color**  
23.0288, 24.2281, 26.3844

**Achromatopsia**  
23.0288, 24.2281, 26.3844

**Achromatomaly**  
23.0288, 24.2281, 26.3844

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.0288, 24.2281, 26.3844 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(135, 135, 135) looks like.

```
.text, #text, p{  
    color:rgb(135, 135, 135)  
}
```

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(135, 135, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 135, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 23.0288, 24.2281, 26.3844 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(135, 135, 135) }
```

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

```
.border{ border-color:rgb(135, 135, 135) }
```

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

Here you see how a box with a 4 pixel rgb(135, 135, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 135, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 135, 135);  
box-shadow:4px 4px 4px 4px rgb(135, 135,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.0288, 24.2281, 26.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 135, 135) }
```

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

```
.background{ background-color: rgb(135,  
135, 135) }
```

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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