

Converting Colors

XYZ(24.8500, 24.7375, 46.3503)

Have a look what the booklet for
XYZ(24.8500, 24.7375, 46.3503)
contains.

XYZ(24.8267, 24.7202, 46.1108)	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(24.8267, 24.7202,
46.1108)**

Conversions

Conversions Part 1

Format	Color
Hex	7A87B3
RGB	122, 135, 179
RGB Percent	48%, 53%, 70%
CMY	0.5216, 0.4706, 0.2980
CMYK	0.32, 0.25, 0.00, 0.30
HSL	226°, 27%, 59%
HSV	226°, 32%, 70%
XYZ	24.8267, 24.7202, 46.1108
YIQ	136.1290, -21.8720, 10.9280

Conversions

Conversions Part 2

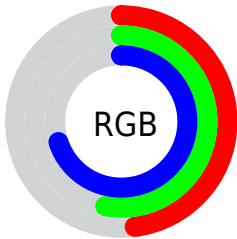
Format	Color
R_{YB}	122, 133, 179
Decimal	8030131
CIE Lab	56.80, 5.82, -24.67
CIE LCh	57, 25.347, 283.266
Yxy	24.7202, 0.2595, 0.2584
Android (android.graphics.Color)	4286220211 (0xFF7A87B3)
YUV	136.1290, 21.1354, -12.3911
Hunter-Lab	49.7194, 2.1225, -20.1832

Details

The XYZ color **24.8267, 24.7202, 46.1108** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **35.7400, 38.2617, 23.9147**, and the grayscale version is **23.3799, 24.5975, 26.7866**.

A 20% lighter version of the original color is **50.8831, 51.1947, 85.7970**, and **9.6922, 9.5015, 21.0618** is the 20% darker color. If you saturate the color by 10%, you get **20.7175, 19.9237, 45.4020**, and if you desaturate by 10%, it is **29.6546, 30.2597, 46.9260**.

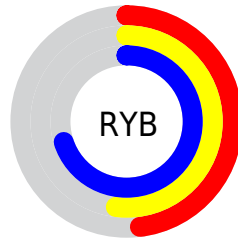
Distribution



Red (48%)

Green (53%)

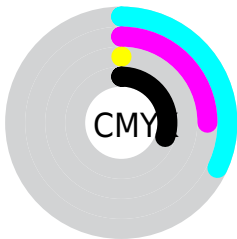
Blue (70%)



Red (48%)

Yellow (52%)

Blue (70%)

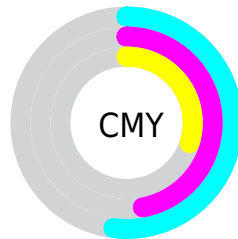


Cyan (32%)

Magenta (25%)

Yellow (0%)

Black (30%)



Cyan (52%)

Magenta (47%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8267, 24.7202, 46.1108 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 24.8267, 24.7202, 46.1108 by changing the saturation by 10% instead.

■ 24.8267, 24.7202,
46.1108

■ 24.8267, 24.7202,
46.1108

269.3374,
276.4416, 387.5444

■ 16.0760, 15.8687,
31.9840

■ 50.8209, 51.2029,
85.7208

■ 9.6692, 9.4313,
21.0845

■ 68.7951, 69.6030,
112.0411

■ 5.2407, 5.0236,
12.9940

■ 90.5745, 91.9547,
143.2629

■ 2.4254, 2.2611,
7.2937

116.5245,
118.6424, 179.8049

■ 0.8578, 0.7530,
3.5652

147.0104,
150.0506, 222.0854

■ 0.0000, 0.0000,
1.3900

182.3976,

■ 0.0000, 0.0000,

186.5636, 270.5232

0.1339

223.0515,
228.5658, 325.5367

■ 0.0000, 0.0000,
0.0000

■ 24.8267, 24.7202,
46.1108

■ 24.8267, 24.7202,
46.1108

■ 20.7175, 19.9237,
45.4020

■ 29.6546, 30.2597,
46.9260

■ 17.2893, 15.8350,
44.7935

■ 35.2315, 36.5697,
47.8500

■ 14.5046, 12.4202,
44.2811

■ 41.5888, 43.6796,
48.8873

■ 12.3212, 9.6414,
43.8598

■ 48.7556, 51.6166,
50.0416

■ 10.6914, 7.4564,
43.5240

■ 56.7593, 60.4065,
51.3163

■ 9.5597, 5.8177,
43.2673

■ 65.6260, 70.0739,
52.7150

■ 8.9237, 4.8286,
43.1099

■ 75.3808, 80.6424,
54.2408

■ 82.1935, 90.1481,
55.7165

■ 85.1368, 96.0347,
56.6976

Harmonies

Analogous

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



21.8943, 24.7202, 45.7461



24.8267, 24.7202, 46.1108



27.6182, 24.7202, 40.6214

Triad

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



24.8267, 24.7202, 46.1108



27.8904, 24.7202, 17.2156



18.4542, 24.7202, 22.4888

Complementary

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



24.8267, 24.7202, 46.1108



35.7400, 38.2617, 23.9147

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.



19.8055, 24.7202, 16.7028



24.8267, 24.7202, 46.1108



25.1736, 24.7202, 14.1257

Square

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



24.8267, 24.7202, 46.1108



29.4846, 24.7202, 23.3450



22.2134, 24.7202, 13.9602



18.3784, 24.7202, 30.8340

Rectangle

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



24.8267, 24.7202, 46.1108



28.9564, 24.7202, 34.9379



22.2134, 24.7202, 13.9602



18.7688, 24.7202, 20.2270

Sweetspot

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



24.8275, 24.7212, 46.1114



64.9047, 67.5246, 85.9939



31.0022, 39.1205, 41.8499



14.0467, 14.5861, 18.9973



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.8275, 24.7212, 46.1114



39.3241, 38.2915, 81.6996



25.4463, 22.5099, 45.6519



8.1940, 8.5343, 10.7217



6.3477, 3.4959, 30.4772



0.2440, 0.1986, 0.9737

Inverse Universe

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



29.9238, 25.2528, 26.2198



49.9480, 39.7513, 40.1540



34.9021, 41.5171, 24.5873



8.5731, 8.5360, 9.2505



13.4387, 6.8930, 2.2042



0.4452, 0.2258, 0.1871

Previews

White Background



This preview shows how the XYZ color 24.8267, 24.7202, 46.1108 looks on a white background.

Color Contrast Check

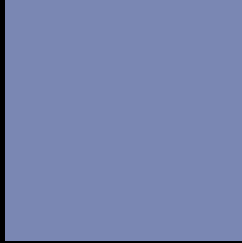
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8267, 24.7202, 46.1108 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

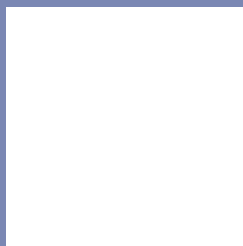
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8267, 24.7202, 46.1108

Background



This preview shows how black text looks on a background with the XYZ color 24.8267, 24.7202, 46.1108.



This preview shows how white text looks on a background with the XYZ color 24.8267, 24.7202,

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

24.8267, 24.7202, 46.1108

Protanopia

24.9740, 24.5900, 46.0779

Deuteranopia

25.2660, 24.7405, 46.0916



Tritanopia

22.1665, 24.7035, 32.8781

Trichromacy



Original Color

24.8267, 24.7202, 46.1108

Protanomaly

24.8302, 24.5158, 46.0712

Deuteranomaly

25.1192, 24.6648, 46.0847

Tritanomaly

22.9927, 24.6017, 37.2550

Monochromacy



Original Color

24.8267, 24.7202, 46.1108

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.8317, 24.7006, 33.2174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8267, 24.7202, 46.1108 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(122, 135, 179)` looks like.

```
.text, #text, p{  
    color:rgb(122, 135, 179)  
}
```

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(122, 135, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 135, 179) }
```

Border

The CSS property to change the border of an element to XYZ 24.8267, 24.7202, 46.1108 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(122, 135, 179) }
```


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

```
.border{ border-color:rgb(122, 135, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 135, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 135, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 135, 179);  
box-shadow:4px 4px 4px 4px rgb(122, 135,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8267, 24.7202, 46.1108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 135, 179) }
```

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

```
.background{ background-color: rgb(122,  
135, 179) }
```

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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