

Converting Colors

XYZ(24.7340, 24.4078, 36.5940)

Have a look what the booklet for
XYZ(24.7340, 24.4078, 36.5940)
contains.

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Color

**XYZ(24.7244, 24.4640,
36.6766)**

Conversions

Conversions Part 1

Format	Color
Hex	8785A0
RGB	135, 133, 160
RGB Percent	53%, 52%, 63%
CMY	0.4706, 0.4784, 0.3725
CMYK	0.16, 0.17, 0.00, 0.37
HSL	244°, 12%, 57%
HSV	244°, 17%, 63%
XYZ	24.7244, 24.4640, 36.6766
YIQ	136.6760, -7.4750, 8.8210

Conversions

Conversions Part 2

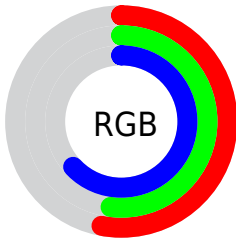
Format	Color
R_{YB}	135, 133, 160
Decimal	8881568
CIE _{Lab}	56.55, 6.46, -14.07
CIE _{LCh}	57, 15.486, 294.674
Yxy	24.4640, 0.2879, 0.2849
Android (android.graphics.Color)	4287071648 (0xFF8785A0)
YUV	136.6760, 11.4987, -1.4699
Hunter-Lab	49.4611, 2.6709, -9.3422

Details

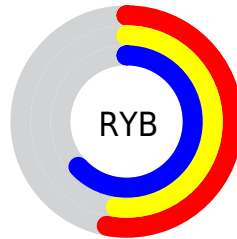
The XYZ color **24.7244, 24.4640, 36.6766** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.9057, 34.1047, 27.1453**, and the grayscale version is **23.6163, 24.8462, 27.0575**.

A 20% lighter version of the original color is **50.5637, 50.7155, 71.4141**, and **9.6234, 9.3547, 15.4858** is the 20% darker color. If you saturate the color by 10%, you get **20.4785, 19.2678, 35.8978**, and if you desaturate by 10%, it is **29.6372, 30.5007, 37.5832**.

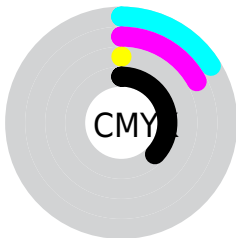
Distribution



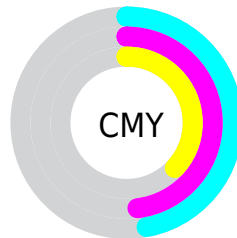
- Red (53%)
- Green (52%)
- Blue (63%)



- Red (53%)
- Yellow (52%)
- Blue (63%)



- Cyan (16%)
- Magenta (17%)
- Yellow (0%)
- Black (37%)



- Cyan (47%)
- Magenta (48%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7244, 24.4640, 36.6766 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 24.7244, 24.4640, 36.6766 by changing the saturation by 10% instead.

■ 24.7244, 24.4640,
36.6766

■ 24.7244, 24.4640,
36.6766

268.8357,
275.1580, 347.0347

■ 15.9995, 15.6782,
24.6634

■ 50.6559, 50.7863,
71.2559

■ 9.6146, 9.2967,
15.6097

■ 68.5932, 69.0916,
94.6590

■ 5.2045, 4.9352,
9.0970

■ 90.3319, 91.3389,
122.6958

■ 2.4037, 2.2093,
4.7069

116.2376,
117.9124, 155.7849

■ 0.8470, 0.7251,
2.0206

146.6754,
149.1967, 194.3448

■ 0.0000, 0.0000,
0.5679

182.0108,

■ 0.0000, 0.0000,

185.5762, 238.7941

0.0000

222.6091,
227.4351, 289.5512

■ 24.7244, 24.4640,
36.6766

■ 24.7244, 24.4640,
36.6766

■ 20.4785, 19.2678,
35.8978

■ 29.6372, 30.5007,
37.5832

■ 16.8686, 14.8718,
35.2396

■ 35.2417, 37.4095,
38.6214

■ 13.8647, 11.2372,
34.6963

■ 41.5639, 45.2243,
39.7966

■ 11.4334, 8.3205,
34.2615

■ 48.6280, 53.9763,
41.1136

■ 9.5383, 6.0743,
33.9278

■ 56.4571, 63.6951,
42.5769

■ 8.1385, 4.4448,
33.6871

■ 65.0732, 74.4090,
44.1907

■ 7.1874, 3.3704,
33.5298

■ 74.4973, 86.1452,
45.9594

■ 6.6215, 2.7611,
33.4420

■ 82.8046, 95.0394,
47.2383

■ 6.4947, 2.6152,
33.4205

■ 83.3452, 95.3181,
47.2636

Harmonies

Analogous

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



22.9331, 24.4640, 37.7520



24.7244, 24.4640, 36.6766



26.1861, 24.4640, 32.7771

Triad

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



24.7244, 24.4640, 36.6766



25.3075, 24.4640, 19.3532



19.9795, 24.4640, 25.7293

Complementary

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



24.7244, 24.4640, 36.6766



30.9057, 34.1047, 27.1453

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.



20.5462, 24.4640, 21.3162



24.7244, 24.4640, 36.6766



23.5744, 24.4640, 17.9508

Square

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



24.7244, 24.4640, 36.6766



26.5348, 24.4640, 22.7169



21.8398, 24.4640, 18.6205



20.2523, 24.4640, 30.9843

Rectangle

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



24.7244, 24.4640, 36.6766



26.7456, 24.4640, 29.3386



21.8398, 24.4640, 18.6205



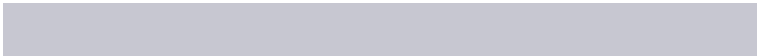
20.0772, 24.4640, 24.1068

Sweetspot

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



24.7252, 24.4650, 36.6771



55.5274, 57.4916, 68.5569



28.2797, 32.0472, 37.9533



12.0378, 12.4361, 15.0096



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.7252, 24.4650, 36.6771



42.0502, 40.9366, 66.0718



27.0006, 25.6380, 36.7836



6.3280, 6.4576, 8.3196



5.0752, 2.0454, 26.0345



0.1026, 0.0427, 0.4661

Inverse Universe

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



29.0570, 26.7182, 35.9742



51.3339, 45.7664, 64.5230



28.4294, 32.8281, 27.0294



6.8830, 6.7461, 8.2347



15.4735, 7.4940, 22.5421



0.2823, 0.1363, 0.4329

Previews

White Background



This preview shows how the XYZ color 24.7244, 24.4640, 36.6766 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 24.7244, 24.4640, 36.6766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

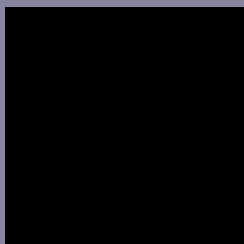
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7244, 24.4640, 36.6766

Background



This preview shows how black text looks on a background with the XYZ color 24.7244, 24.4640, 36.6766.



This preview shows how white text looks on a background with the XYZ color 24.7244, 24.4640,

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

24.7244, 24.4640, 36.6766

Protanopia

24.1640, 24.3692, 37.1484

Deuteranopia

24.9130, 24.3590, 36.6464



Tritanopia

23.5251, 24.3898, 30.6619

Trichromacy



Original Color

24.7244, 24.4640, 36.6766

Protanomaly

24.4738, 24.5289, 37.1629

Deuteranomaly

24.7498, 24.2748, 36.6388

Tritanomaly

23.9425, 24.3529, 32.7168

Monochromacy



Original Color

24.7244, 24.4640, 36.6766

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.0683, 24.8869, 30.3232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7244, 24.4640, 36.6766 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, 133, 160)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 160)  
}
```

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, 133, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 160) }
```

Border

The CSS property to change the border of an element to XYZ 24.7244, 24.4640, 36.6766 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, 133, 160) }
```


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

```
.border{ border-color:rgb(135, 133, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 133, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 160);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7244, 24.4640, 36.6766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 160) }
```

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

```
.background{ background-color: rgb(135,  
133, 160) }
```

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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