

Converting Colors

XYZ(24.3968, 20.4862, 49.1232)

Have a look what the booklet for
XYZ(24.3968, 20.4862, 49.1232)
contains.

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Color

**XYZ(24.3960, 20.4853,
49.1226)**

Conversions

Conversions Part 1

Format	Color
Hex	8472BA
RGB	132, 114, 186
RGB Percent	52%, 45%, 73%
CMY	0.4823, 0.5529, 0.2706
CMYK	0.29, 0.39, 0.00, 0.27
HSL	255°, 34%, 59%
HSV	255°, 39%, 73%
XYZ	24.3960, 20.4853, 49.1226
YIQ	127.5900, -12.3840, 26.2080

Conversions

Conversions Part 2

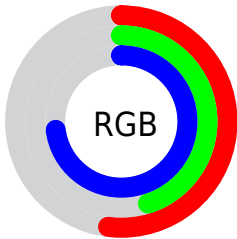
Format	Color
RYB	132, 114, 186
Decimal	8680122
CIELab	52.38, 23.01, -35.49
CIELCh	52, 42.299, 302.955
Yxy	20.4853, 0.2595, 0.2179
Android (android.graphics.Color)	4286870202 (0xFF8472BA)
YUV	127.5900, 28.7961, 3.8676
Hunter-Lab	45.2607, 17.0072, -32.6665

Details

The XYZ color **24.3960, 20.4853, 49.1226** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.7448, 44.6578, 22.6034**, and the grayscale version is **20.2833, 21.3397, 23.2389**.

A 20% lighter version of the original color is **50.1567, 44.2480, 89.9016**, and **9.4213, 7.2678, 22.7361** is the 20% darker color. If you saturate the color by 10%, you get **20.4700, 15.6575, 48.3980**, and if you desaturate by 10%, it is **29.0418, 26.3182, 50.0040**.

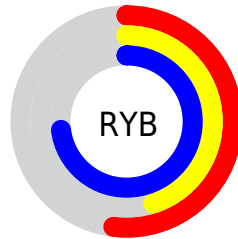
Distribution



Red (52%)

Green (45%)

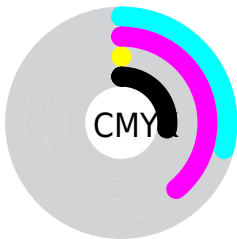
Blue (73%)



Red (52%)

Yellow (45%)

Blue (73%)

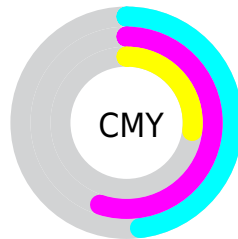


Cyan (29%)

Magenta (39%)

Yellow (0%)

Black (27%)



Cyan (48%)

Magenta (55%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3960, 20.4853, 49.1226 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 24.3960, 20.4853, 49.1226 by changing the saturation by 10% instead.

■ 24.3960, 20.4853,
49.1226

■ 24.3960, 20.4853,
49.1226

267.2199,
254.5303, 399.8611

■ 15.7540, 12.7483,
34.3505

■ 50.1256, 44.2293,
90.2564

■ 9.4400, 7.2555,
22.8834

■ 67.9439, 61.0052,
117.4551

■ 5.0886, 3.6224,
14.3030

■ 89.5517, 81.5627,
149.6331

■ 2.3347, 1.4646,
8.1905

■ 115.3143,
106.2864, 187.2089

■ 0.8123, 0.2636,
4.1276

145.5970,
135.5606, 230.6011

■ 0.0000, 0.0000,
1.6956

180.7653,

■ 0.0000, 0.0000,

169.7698, 280.2281

0.3577

221.1845,
209.2982, 336.5086

■ 0.0000, 0.0000,
0.0000

■ 24.3960, 20.4853,
49.1226

■ 24.3960, 20.4853,
49.1226

■ 20.4700, 15.6575,
48.3980

■ 29.0418, 26.3182,
50.0040

■ 17.2240, 11.7745,
47.8196

■ 34.4399, 33.2071,
51.0492

■ 14.6177, 8.7731,
47.3777

■ 40.6233, 41.2023,
52.2665

■ 12.6052, 6.5810,
47.0606

■ 47.6226, 50.3500,
53.6633

■ 11.1338, 5.1140,
46.8550

■ 55.4664, 60.6940,
55.2464

■ 10.1224, 4.2331,
46.7383

■ 64.1821, 72.2755,
57.0225

■ 10.0125, 4.1378,
46.7257

■ 73.7959, 85.1339,
58.9977

■ 81.7929, 94.2270,
60.3314

■ 85.8630, 96.3252,
60.5219

Harmonies

Analogous

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



19.9061, 20.4853, 55.8970



24.3960, 20.4853, 49.1226



27.9317, 20.4853, 35.0984

Triad

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



24.3960, 20.4853, 49.1226



23.5363, 20.4853, 7.0275



12.2416, 20.4853, 23.5658

Complementary

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



24.3960, 20.4853, 49.1226



36.7448, 44.6578, 22.6034

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.



12.9182, 20.4853, 13.0730



24.3960, 20.4853, 49.1226



19.0417, 20.4853, 5.8939

Square

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



24.3960, 20.4853, 49.1226



27.3856, 20.4853, 11.6283



15.2573, 20.4853, 7.6163



13.2498, 20.4853, 38.0794

Rectangle

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



24.3960, 20.4853, 49.1226



29.0313, 20.4853, 25.3808



15.2573, 20.4853, 7.6163



12.2799, 20.4853, 19.4883

Sweetspot

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



24.3967, 20.4861, 49.1231



69.5551, 69.3906, 93.9292



29.8055, 35.1284, 51.6643



14.9905, 14.8582, 20.6204



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.3967, 20.4861, 49.1231



38.3899, 29.9466, 87.9583



31.0292, 23.9053, 49.4335



8.7259, 8.8251, 11.3229



6.7952, 2.8143, 31.4381



0.2980, 0.1293, 1.1110

Inverse Universe

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



33.3353, 25.3014, 40.1724



56.9827, 39.9794, 68.5928



30.1124, 41.2387, 22.2930



9.2824, 9.1233, 10.8345



16.8143, 8.2995, 17.4407



0.6160, 0.3019, 0.7371

Previews

White Background



This preview shows how the XYZ color 24.3960, 20.4853, 49.1226 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 24.3960, 20.4853, 49.1226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

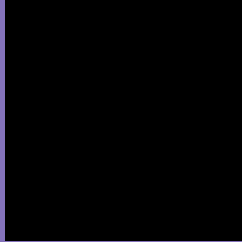
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3960, 20.4853, 49.1226

Background



This preview shows how black text looks on a background with the XYZ color 24.3960, 20.4853, 49.1226.



This preview shows how white text looks on a background with the XYZ color 24.3960, 20.4853,

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

24.3960, 20.4853, 49.1226

Protanopia

21.8542, 20.6688, 53.2897

Deuteranopia

21.1149, 20.5853, 48.2079



Tritanopia

19.7328, 20.5541, 25.8490

Trichromacy



Original Color

24.3960, 20.4853, 49.1226

Protanomaly

22.5663, 20.5302, 51.4885

Deuteranomaly

22.1555, 20.3805, 48.6650

Tritanomaly

21.2743, 20.4435, 33.3966

Monochromacy



Original Color

24.3960, 20.4853, 49.1226

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.5610, 21.0030, 31.3514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3960, 20.4853, 49.1226 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(132, 114, 186)` looks like.

```
.text, #text, p{  
    color:rgb(132, 114, 186)  
}
```

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(132, 114, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 114, 186) }
```

Border

The CSS property to change the border of an element to XYZ 24.3960, 20.4853, 49.1226 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(132, 114, 186) }
```


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

```
.border{ border-color:rgb(132, 114, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 114, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 114, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 114, 186); box-shadow:4px 4px 4px 4px rgb(132, 114, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3960, 20.4853, 49.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 114, 186) }
```

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

```
.background{ background-color: rgb(132,  
114, 186) }
```

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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