

Converting Colors

XYZ(24.6510, 20.1859, 16.4645)

Have a look what the booklet for
XYZ(24.6510, 20.1859, 16.4645)
contains.

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Color

**XYZ(24.7061, 20.2349,
16.5135)**

Conversions

Conversions Part 1

Format	Color
Hex	AB6B6B
RGB	171, 107, 107
RGB Percent	67%, 42%, 42%
CMY	0.3294, 0.5804, 0.5804
CMYK	0.00, 0.37, 0.37, 0.33
HSL	0°, 28%, 55%
HSV	0°, 37%, 67%
XYZ	24.7061, 20.2349, 16.5135
YIQ	126.1360, 38.1440, 13.5680

Conversions

Conversions Part 2

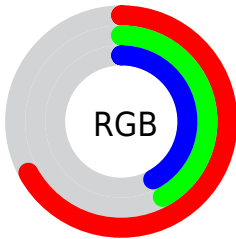
Format	Color
RYB	171, 107, 107
Decimal	11234155
CIELab	52.10, 25.56, 10.76
CIElCh	52, 27.729, 22.832
Yxy	20.2349, 0.4020, 0.3293
Android (android.graphics.Color)	4289424235 (0xFFAB6B6B)
YUV	126.1360, -9.4340, 39.3457
Hunter-Lab	44.9832, 19.3168, 9.7227

Details

The XYZ color **24.7061, 20.2349, 16.5135** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.9762, 35.1903, 43.8458**, and the grayscale version is **19.9000, 20.9363, 22.7997**.

A 20% lighter version of the original color is **50.5646, 43.7589, 38.1290**, and **9.5311, 7.0654, 5.1364** is the 20% darker color. If you saturate the color by 10%, you get **22.2840, 16.6909, 11.6979**, and if you desaturate by 10%, it is **27.6597, 24.5570, 22.3844**.

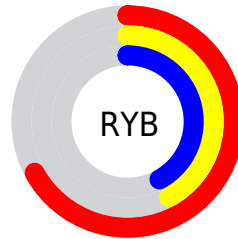
Distribution



Red (67%)

Green (42%)

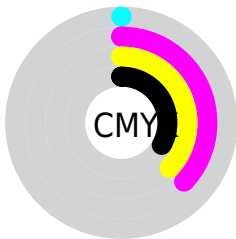
Blue (42%)



Red (67%)

Yellow (42%)

Blue (42%)

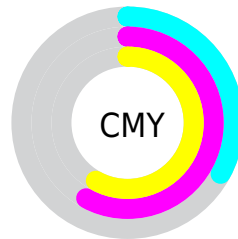


Cyan (0%)

Magenta (37%)

Yellow (37%)

Black (33%)



Cyan (33%)


Magenta (58%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7061, 20.2349, 16.5135 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 24.7061, 20.2349, 16.5135 by changing the saturation by 10% instead.


 24.7061, 20.2349,
16.5135


 24.7061, 20.2349,
16.5135


268.7458,
253.1839, 244.3013


 15.9858, 12.5659,
9.7300


 50.6264, 43.8107,
38.2665


 9.6049, 7.1303,
5.1170


 68.5570, 60.4862,
54.0731

 5.1980, 3.5437,
2.2562

 90.2885, 80.9328,
73.7244

 2.3999, 1.4218,
0.7065

 116.1862,
105.5347, 97.6390

 0.8450, 0.2327,
0.0000

146.6154,
134.6763, 126.2355

 0.0000, 0.0000,
0.0000

181.9415,

168.7422, 159.9323

222.5299,
208.1166, 199.1481

■ 24.7061, 20.2349,
16.5135

■ 24.7061, 20.2349,
16.5135

■ 22.2840, 16.6909,
11.6979

■ 27.6597, 24.5570,
22.3844

■ 20.3604, 13.8761,
7.8740

■ 31.1720, 29.6966,
29.3668

■ 18.9011, 11.7407,
4.9731

■ 35.2704, 35.6936,
37.5143


■ 17.8669, 10.2273,
2.9173

■ 39.9799, 42.5849,
46.8767


■ 17.2122, 9.2692,
1.6160


■ 45.3240, 50.4048,
57.5008

 16.8665, 8.7633,
0.9289

 51.3252, 59.1862,
69.4312

 16.7946, 8.6581,
0.7860

 58.0047, 68.9600,
82.7101

 65.3827, 79.7560,
97.3777

 70.6045, 87.3979,
107.7560

Harmonies

Analogous

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



25.1632, 20.2349, 24.0382



24.7061, 20.2349, 16.5135



22.7171, 20.2349, 11.7876

Triad

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



24.7061, 20.2349, 16.5135



15.2081, 20.2349, 13.8832



18.5605, 20.2349, 41.4325

Complementary

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



24.7061, 20.2349, 16.5135



27.9762, 35.1903, 43.8458

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.



16.1241, 20.2349, 36.9588



24.7061, 20.2349, 16.5135



14.3158, 20.2349, 20.1414

Square

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



24.7061, 20.2349, 16.5135



17.1943, 20.2349, 10.5499



14.6339, 20.2349, 28.6613



21.4260, 20.2349, 39.7775

Rectangle

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



24.7061, 20.2349, 16.5135



20.8868, 20.2349, 10.2304



14.6339, 20.2349, 28.6613



17.6683, 20.2349, 40.5648

Sweetspot

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



24.7066, 20.2359, 16.5139



60.2757, 59.6939, 61.4372



29.4030, 22.1137, 41.2466



13.2257, 12.9959, 13.2713



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



24.7066, 20.2359, 16.5139



40.5547, 30.8365, 22.2326



28.6811, 28.1848, 17.8387



8.0053, 8.0154, 8.3386



12.6608, 6.5270, 0.5925



0.3522, 0.1816, 0.0165

Inverse Universe

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



27.9762, 35.1903, 43.8458



47.2730, 61.5642, 78.3934



22.6468, 24.5314, 42.0694



8.2363, 9.0720, 10.2697



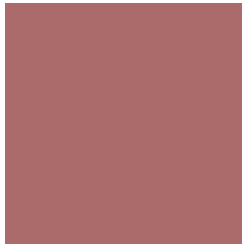
16.5181, 24.1700, 32.8392



0.4595, 0.6724, 0.9136

Previews

White Background



This preview shows how the XYZ color 24.7061, 20.2349, 16.5135 looks on a white background.

Color Contrast Check

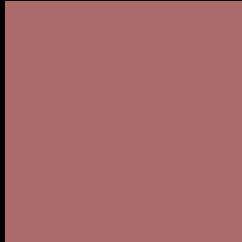
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7061, 20.2349, 16.5135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

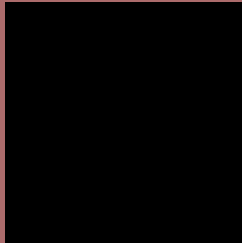
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7061, 20.2349, 16.5135

Background



This preview shows how black text looks on a background with the XYZ color 24.7061, 20.2349, 16.5135.



This preview shows how white text looks on a background with the XYZ color 24.7061, 20.2349,

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

24.7061, 20.2349, 16.5135

Protanopia

19.4133, 20.3434, 19.4265

Deuteranopia

20.7679, 20.3822, 16.2042



Tritanopia

25.2046, 20.2936, 18.5082

Trichromacy



Original Color

24.7061, 20.2349, 16.5135

Protanomaly

20.9607, 20.0784, 18.3936

Deuteranomaly

22.0587, 20.1721, 16.3667

Tritanomaly

25.0365, 20.2264, 17.6234

Monochromacy



Original Color

24.7061, 20.2349, 16.5135

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

21.0819, 20.2763, 20.2554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7061, 20.2349, 16.5135 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(171, 107, 107)` looks like.

```
.text, #text, p{  
    color:rgb(171, 107, 107)  
}
```

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(171, 107, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 107, 107) }
```

Border

The CSS property to change the border of an element to XYZ 24.7061, 20.2349, 16.5135 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(171, 107, 107) }
```


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

```
.border{ border-color:rgb(171, 107, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 107, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 107, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 107, 107);  
box-shadow:4px 4px 4px 4px rgb(171, 107,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7061, 20.2349, 16.5135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 107, 107) }
```

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

```
.background{ background-color: rgb(171,  
107, 107) }
```

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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