

Converting Colors

XYZ(24.7431, 17.3784, 8.0691)

Have a look what the booklet for
XYZ(24.7431, 17.3784, 8.0691)
contains.

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Color

**XYZ(24.8012, 17.3604,
8.0050)**

Conversions

Conversions Part 1

Format	Color
Hex	BB5447
RGB	187, 84, 71
RGB Percent	73%, 33%, 28%
CMY	0.2667, 0.6706, 0.7216
CMYK	0.00, 0.55, 0.62, 0.27
HSL	7°, 46%, 51%
HSV	7°, 62%, 73%
XYZ	24.8012, 17.3604, 8.0050
YIQ	113.3150, 65.5610, 17.7930

Conversions

Conversions Part 2

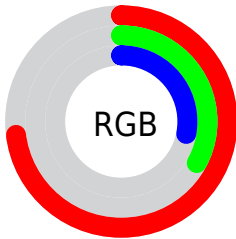
Format	Color
R_{YB}	187, 86, 71
Decimal	12276807
CIE _{Lab}	48.71, 40.58, 27.79
CIE _{LCh}	49, 49.182, 34.400
Yxy	17.3604, 0.4944, 0.3461
Android (android.graphics.Color)	4290466887 (0xFFBB5447)
YUV	113.3150, -20.8613, 64.6217
Hunter-Lab	41.6658, 33.3353, 17.7750

Details

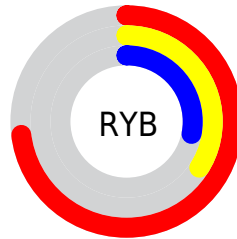
The XYZ color **24.8012, 17.3604, 8.0050** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **26.7031, 35.1973, 52.3999**, and the grayscale version is **15.8367, 16.6614, 18.1443**.

A 20% lighter version of the original color is **50.9057, 38.9208, 22.5987**, and **9.6164, 5.7013, 1.6305** is the 20% darker color. If you saturate the color by 10%, you get **23.1513, 14.8778, 4.9360**, and if you desaturate by 10%, it is **26.9421, 20.5296, 12.1489**.

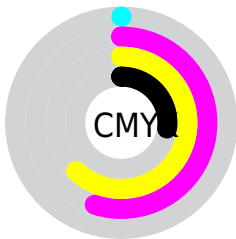
Distribution



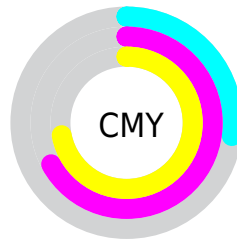
- Red (73%)
- Green (33%)
- Blue (28%)



- Red (73%)
- Yellow (34%)
- Blue (28%)



- Cyan (0%)
- Magenta (55%)
- Yellow (62%)
- Black (27%)





- Cyan (27%)
- Magenta (67%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8012, 17.3604, 8.0050 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 24.8012, 17.3604, 8.0050 by changing the saturation by 10% instead.


 24.8012, 17.3604,
8.0050


 24.8012, 17.3604,
8.0050


269.2124,
237.2408, 185.7073


 16.0569, 10.4918,
4.0103


 50.7797, 38.9444,
22.5146


 9.6556, 5.7262,
1.6310


 68.7448, 54.4286,
33.8666

 5.2317, 2.6793,
0.3128

 90.5140, 73.5534,
48.5081

 2.4200, 0.9667,
0.0000

 116.4530, 96.7032,
66.8576

 0.8551, 0.0000,
0.0000

 146.9269,
124.2625, 89.3338

 0.0000, 0.0000,
0.0000

182.3013,

156.6156, 116.3551

222.9413,
194.1469, 148.3401

■ 24.8012, 17.3604,
8.0050

■ 24.8012, 17.3604,
8.0050

■ 23.1513, 14.8778,
4.9360

■ 26.9421, 20.5296,
12.1489

■ 21.9515, 13.0281,
2.8411

■ 29.6078, 24.4283,
17.4541

■ 21.1566, 11.7543,
1.6020

■ 32.8305, 29.0992,
23.9995

■ 20.7610, 11.0998,
1.0483

■ 36.6397, 34.5809,
31.8566

■ 41.0626, 40.9092,
41.0916

■ 46.1246, 48.1181,
51.7661

■ 51.8500, 56.2395,
63.9381

■ 58.2614, 65.3039,
77.6623

■ 65.3806, 75.3400,
92.9906

Harmonies

Analogous

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



26.8230, 17.3604, 17.0490



24.8012, 17.3604, 8.0050



20.5667, 17.3604, 4.1333

Triad

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



24.8012, 17.3604, 8.0050



9.8143, 17.3604, 10.0280



17.1792, 17.3604, 56.3861

Complementary

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



24.8012, 17.3604, 8.0050



26.7031, 35.1973, 52.3999

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.



13.0091, 17.3604, 51.5959



24.8012, 17.3604, 8.0050



9.2381, 17.3604, 20.8857

Square

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



24.8012, 17.3604, 8.0050



12.0442, 17.3604, 4.8691



10.2955, 17.3604, 36.8344



21.9393, 17.3604, 47.9404

Rectangle

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



24.8012, 17.3604, 8.0050



17.3671, 17.3604, 3.3425



10.2955, 17.3604, 36.8344



15.6633, 17.3604, 56.2915

Sweetspot

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



24.8016, 17.3613, 8.0053



67.6690, 64.8692, 61.3119



30.5239, 18.1822, 42.6643



14.4265, 13.6037, 12.5135



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.



24.8016, 17.3613, 8.0053



40.7003, 25.4796, 7.4733



31.0968, 29.9517, 10.1037



9.6140, 9.7040, 9.9430



14.3321, 7.7030, 0.7314



0.5903, 0.3596, 0.0383

Inverse Universe

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



26.7031, 35.1973, 52.3999



44.2750, 59.8051, 93.4114



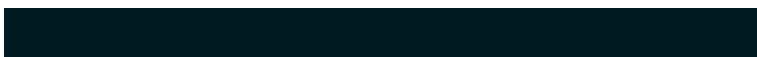
17.9763, 17.7436, 49.4909



9.7148, 10.6219, 12.2104



15.6130, 21.3378, 35.6886



0.6379, 0.8885, 1.4067

Previews

White Background



This preview shows how the XYZ color 24.8012, 17.3604, 8.0050 looks on a white 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

Black Background



This preview shows how the XYZ color 24.8012, 17.3604, 8.0050 looks on a black 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

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

XYZ 24.8012, 17.3604, 8.0050

Background



This preview shows how black text looks on a background with the XYZ color 24.8012, 17.3604, 8.0050.



This preview shows how white text looks on a background with the XYZ color 24.8012, 17.3604,

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

24.8012, 17.3604, 8.0050

Protanopia

16.3031, 17.4908, 10.9043

Deuteranopia

17.8231, 17.5130, 7.5952



Tritanopia

25.4766, 17.4141, 11.0353

Trichromacy



Original Color

24.8012, 17.3604, 8.0050

Protanomaly

18.5743, 16.7610, 9.6534

Deuteranomaly

19.7976, 16.9938, 7.7055

Tritanomaly

25.3175, 17.4720, 9.8226

Monochromacy



Original Color

24.8012, 17.3604, 8.0050

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.7712, 15.9600, 13.6992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8012, 17.3604, 8.0050 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(187, 84, 71)` looks like.

```
.text, #text, p{  
    color:rgb(187, 84, 71)  
}
```

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(187, 84, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 84, 71) }
```

Border

The CSS property to change the border of an element to XYZ 24.8012, 17.3604, 8.0050 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(187, 84, 71) }
```


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

```
.border{ border-color:rgb(187, 84, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 84, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 84, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 84, 71);  
box-shadow:4px 4px 4px 4px rgb(187, 84,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8012, 17.3604, 8.0050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 84, 71) }
```

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

```
.background{ background-color: rgb(187, 84,  
71) }
```

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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