

Converting Colors

XYZ(24.1612, 24.6282, 12.4330)

Have a look what the booklet for
XYZ(24.1612, 24.6282, 12.4330)
contains.

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Color

**XYZ(24.2084, 24.7323,
12.5147)**

Conversions

Conversions Part 1

Format	Color
Hex	9E8557
RGB	158, 133, 87
RGB Percent	62%, 52%, 34%
CMY	0.3804, 0.4784, 0.6588
CMYK	0.00, 0.16, 0.45, 0.38
HSL	39°, 29%, 48%
HSV	39°, 45%, 62%
XYZ	24.2084, 24.7323, 12.5147
YIQ	135.2310, 29.6660, -9.0060

Conversions

Conversions Part 2

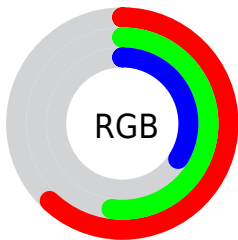
Format	Color
R_{YB}	126, 158, 87
Decimal	10388823
CIE _{Lab}	56.81, 3.09, 28.30
CIE _{LCh}	57, 28.468, 83.769
Yxy	24.7323, 0.3939, 0.4024
Android (android.graphics.Color)	4288578903 (0xFF9E8557)
YUV	135.2310, -23.7779, 19.9684
Hunter-Lab	49.7316, -0.1398, 19.8921

Details

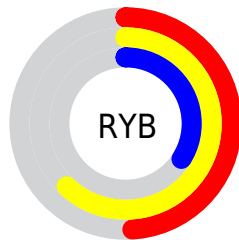
The XYZ color **24.2084, 24.7323, 12.5147** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.8960, 16.0826, 34.6142**, and the grayscale version is **23.1933, 24.4012, 26.5729**.

A 20% lighter version of the original color is **49.8058, 51.2201, 30.9283**, and **9.3790, 9.4971, 3.3463** is the 20% darker color. If you saturate the color by 10%, you get **22.8909, 23.0197, 9.2319**, and if you desaturate by 10%, it is **25.7088, 26.5844, 16.5561**.

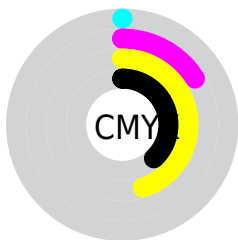
Distribution



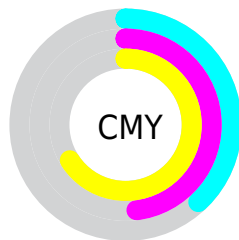
- Red (62%)
- Green (52%)
- Blue (34%)



- Red (49%)
- Yellow (62%)
- Blue (34%)



- Cyan (0%)
- Magenta (16%)
- Yellow (45%)
- Black (38%)



- Cyan (38%)
- Magenta (48%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2084, 24.7323, 12.5147 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 24.2084, 24.7323, 12.5147 by changing the saturation by 10% instead.

■ 24.2084, 24.7323,
12.5147

■ 24.2084, 24.7323,
12.5147

266.2934,
276.5021, 218.8811

■ 15.6139, 15.8777,
6.9685

■ 49.8223, 51.2226,
31.1074

■ 9.3404, 9.4377,
3.3642

■ 67.5723, 69.6271,
44.9910

■ 5.0228, 5.0277,
1.2835

■ 89.1049, 91.9837,
62.4907

■ 2.2955, 2.2635,
0.0482

■ 114.7854,
118.6768, 84.0252

■ 0.7924, 0.7543,
0.0000

■ 144.9791,
150.0908, 110.0129

■ 0.0000, 0.0000,
0.0000

180.0514,

186.6101, 140.8724

220.3677,
228.6191, 177.0223

■ 24.2084, 24.7323,
12.5147

■ 24.2084, 24.7323,
12.5147

■ 22.8909, 23.0197,
9.2319

■ 25.7088, 26.5844,
16.5561

■ 21.7445, 21.4382,
6.6570

■ 27.3993, 28.5772,
21.3993

■ 20.7588, 19.9835,
4.7352

■ 29.2889, 30.7160,
27.0864

■ 19.9210, 18.6495,
3.4031

■ 31.3855, 33.0051,
33.6557

■ 19.2155, 17.4289,
2.5811

■ 33.6965, 35.4481,
41.1432

■ 18.8888, 16.8456,
2.2560

■ 36.2288, 38.0489,
49.5831

■ 38.9891, 40.8109,
59.0076

■ 41.9838, 43.7376,
69.4476

■ 45.2189, 46.8321,
80.9324

Harmonies

Analogous

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



27.4943, 24.7323, 14.6901



24.2084, 24.7323, 12.5147



21.0222, 24.7323, 13.4023

Triad

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



24.2084, 24.7323, 12.5147



18.1258, 24.7323, 35.0085



29.0539, 24.7323, 39.2728

Complementary

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



24.2084, 24.7323, 12.5147



15.8960, 16.0826, 34.6142

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.



26.1809, 24.7323, 47.4148



24.2084, 24.7323, 12.5147



19.9257, 24.7323, 44.5744

Square

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



24.2084, 24.7323, 12.5147



17.7046, 24.7323, 24.9896



22.8199, 24.7323, 49.5543



30.4568, 24.7323, 28.9668

Rectangle

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



24.2084, 24.7323, 12.5147



19.3542, 24.7323, 15.7482



22.8199, 24.7323, 49.5543



28.2157, 24.7323, 42.4429

Sweetspot

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



24.2090, 24.7335, 12.5152



53.8023, 56.4601, 51.0814



20.4914, 15.2787, 17.5020



11.9568, 12.5372, 10.9836



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.



24.2090, 24.7335, 12.5152



41.5432, 41.7681, 16.7021



26.2567, 31.4876, 13.7110



6.9735, 7.3270, 7.0324



15.1660, 13.5675, 1.8195



0.3095, 0.3193, 0.0453

Inverse Universe

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



15.8960, 16.0826, 34.6142



24.4921, 24.0445, 62.0936



14.4531, 11.7975, 33.8631



6.4663, 6.7983, 8.3781



6.0951, 4.2818, 26.4125



0.1468, 0.1523, 0.4849

Previews

White Background



This preview shows how the XYZ color 24.2084, 24.7323, 12.5147 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 24.2084, 24.7323, 12.5147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

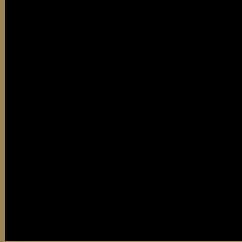
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2084, 24.7323, 12.5147

Background



This preview shows how black text looks on a background with the XYZ color 24.2084, 24.7323, 12.5147.



This preview shows how white text looks on a background with the XYZ color 24.2084, 24.7323,

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

24.2084, 24.7323, 12.5147

Protanopia

22.7784, 24.6088, 12.7819

Deuteranopia

25.0539, 24.5624, 12.6530



Tritanopia

27.2090, 24.7714, 27.0142

Trichromacy



Original Color

24.2084, 24.7323, 12.5147

Protanomaly

23.3743, 24.7079, 12.7697

Deuteranomaly

24.7780, 24.6186, 12.6784

Tritanomaly

25.8780, 24.6095, 20.8390

Monochromacy



Original Color

24.2084, 24.7323, 12.5147

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.1228, 24.1978, 20.5915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2084, 24.7323, 12.5147 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(158, 133, 87)` looks like.

```
.text, #text, p{  
    color:rgb(158, 133, 87)  
}
```

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(158, 133, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 133, 87) }
```

Border

The CSS property to change the border of an element to XYZ 24.2084, 24.7323, 12.5147 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(158, 133, 87) }
```


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

```
.border{ border-color:rgb(158, 133, 87) }
```

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

Here you see how a box with a 4 pixel rgb(158, 133, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 133, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 133, 87);  
box-shadow:4px 4px 4px 4px rgb(158, 133,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2084, 24.7323, 12.5147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 133, 87) }
```

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

```
.background{ background-color: rgb(158,  
133, 87) }
```

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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