

Converting Colors

XYZ(24.2040, 31.9986, 9.9391)

Have a look what the booklet for
XYZ(24.2040, 31.9986, 9.9391)
contains.

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Color

**XYZ(24.2213, 32.0835,
9.9172)**

Conversions

Conversions Part 1

Format	Color
Hex	87A441
RGB	135, 164, 65
RGB Percent	53%, 64%, 25%
CMY	0.4706, 0.3568, 0.7451
CMYK	0.18, 0.00, 0.60, 0.36
HSL	78°, 43%, 45%
HSV	78°, 60%, 64%
XYZ	24.2213, 32.0835, 9.9172
YIQ	144.0430, 14.4950, -36.9370

Conversions

Conversions Part 2

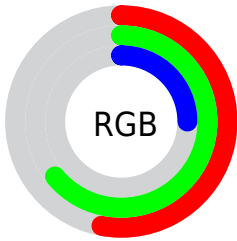
Format	Color
RYB	65, 164, 94
Decimal	8889409
CIELab	63.41, -25.29, 46.93
CIELCh	63, 53.314, 118.323
Yxy	32.0835, 0.3658, 0.4845
Android (android.graphics.Color)	4287079489 (0xFF87A441)
YUV	144.0430, -38.9682, -7.9307
Hunter-Lab	56.6423, -22.7941, 29.2688

Details

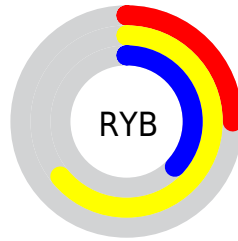
The XYZ color **24.2213, 32.0835, 9.9172** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.2085, 8.8415, 36.1343**, and the grayscale version is **26.6754, 28.0645, 30.5623**.

A 20% lighter version of the original color is **49.7776, 62.8945, 26.3459**, and **9.3177, 13.3997, 2.3250** is the 20% darker color. If you saturate the color by 10%, you get **23.0581, 31.5320, 7.7330**, and if you desaturate by 10%, it is **25.5589, 32.7110, 12.8309**.

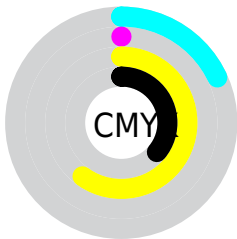
Distribution



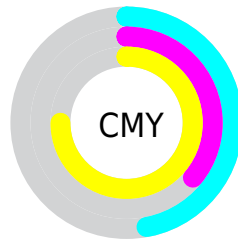
- Red (53%)
- Green (64%)
- Blue (25%)



- Red (25%)
- Yellow (64%)
- Blue (37%)



- Cyan (18%)
- Magenta (0%)
- Yellow (60%)
- Black (36%)





- Cyan (47%)
- Magenta (36%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2213, 32.0835, 9.9172 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 24.2213, 32.0835, 9.9172 by changing the saturation by 10% instead.


 24.2213, 32.0835,
9.9172


 24.2213, 32.0835,
9.9172


266.3572,
311.4994, 200.5434


 15.6235, 21.4253,
5.2392


 49.8431, 62.9420,
26.2450


 9.3473, 13.4352,
2.3271


 67.5979, 83.9110,
38.7319


 5.0273, 7.7289,
0.7463


 89.1356, 109.0858,
54.6589

 2.2982, 3.9220,
0.0000

 114.8218,
138.8507, 74.4444

 0.7937, 1.6300,
0.0000

 145.0216,
173.5901, 98.5071

 0.0000, 0.3777,
0.0000

180.1006,

 0.0000, 0.0000,

213.6884, 127.2655

0.0000

220.4240,
259.5301, 161.1381

■ 24.2213, 32.0835,
9.9172

■ 24.2213, 32.0835,
9.9172

■ 23.0581, 31.5320,
7.7330

■ 25.5589, 32.7110,
12.8309

■ 22.0542, 31.0472,
6.2113

■ 27.0799, 33.4148,
16.5292

■ 21.1954, 30.6242,
5.2764

■ 28.7952, 34.2005,
21.0643

■ 20.4728, 30.2623,
4.7622

■ 30.7143, 35.0719,
26.4833

■ 32.8459, 36.0325,
32.8297

■ 35.1980, 37.0856,
40.1443

■ 37.7783, 38.2343,
48.4653

■ 40.5942, 39.4816,
57.8290

■ 43.6525, 40.8303,
68.2697

Harmonies

Analogous

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



30.9132, 32.0835, 7.9596



24.2213, 32.0835, 9.9172



19.9045, 32.0835, 17.5873

Triad

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



24.2213, 32.0835, 9.9172



23.6072, 32.0835, 82.4417



47.0698, 32.0835, 36.1412

Complementary

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



24.2213, 32.0835, 9.9172



13.2085, 8.8415, 36.1343

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.



44.2990, 32.0835, 61.0433



24.2213, 32.0835, 9.9172



30.0794, 32.0835, 93.6604

Square

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



24.2213, 32.0835, 9.9172



19.5924, 32.0835, 58.0918



37.7667, 32.0835, 84.5764



44.8360, 32.0835, 18.9289

Rectangle

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



24.2213, 32.0835, 9.9172



18.5605, 32.0835, 27.3081



37.7667, 32.0835, 84.5764



46.6852, 32.0835, 43.8606

Sweetspot

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



24.2221, 32.0849, 9.9179



56.5011, 63.9980, 50.2648



20.1839, 16.1127, 7.0478



12.1277, 13.8897, 10.3347



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.2221, 32.0849, 9.9179



41.2781, 56.9573, 13.0899



18.1100, 28.9341, 9.6318



7.4464, 8.1326, 7.5574



15.7458, 23.2277, 3.6535



0.3743, 0.5105, 0.0788

Inverse Universe

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



13.2085, 8.8415, 36.1343



19.6221, 11.1073, 64.8621



19.8423, 12.2613, 36.4447



6.8864, 6.9558, 8.8827



6.1167, 2.5598, 27.1015



0.1734, 0.0769, 0.5716

Previews

White Background



This preview shows how the XYZ color 24.2213, 32.0835, 9.9172 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.2213, 32.0835, 9.9172 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 ✓ Pass

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

XYZ 24.2213, 32.0835, 9.9172

Background



This preview shows how black text looks on a background with the XYZ color 24.2213, 32.0835, 9.9172.



This preview shows how white text looks on a background with the XYZ color 24.2213, 32.0835,

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

24.2213, 32.0835, 9.9172

Protanopia

29.0553, 31.7882, 9.1618

Deuteranopia

32.3706, 31.8188, 10.2299



Tritanopia

30.4712, 32.0674, 40.6600

Trichromacy



Original Color

24.2213, 32.0835, 9.9172

Protanomaly

27.0547, 31.7419, 9.4035

Deuteranomaly

28.7968, 31.6348, 10.0572

Tritanomaly

27.5170, 31.8783, 25.4717

Monochromacy



Original Color

24.2213, 32.0835, 9.9172

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.1456, 29.0337, 20.4984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2213, 32.0835, 9.9172 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, 164, 65)` looks like.

```
.text, #text, p{  
    color:rgb(135, 164, 65)  
}
```

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, 164, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 164, 65) }
```

Border

The CSS property to change the border of an element to XYZ 24.2213, 32.0835, 9.9172 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, 164, 65) }
```


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

```
.border{ border-color:rgb(135, 164, 65) }
```

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

Here you see how a box with a 4 pixel rgb(135, 164, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 164, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 164, 65);  
box-shadow:4px 4px 4px 4px rgb(135, 164,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2213, 32.0835, 9.9172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 164, 65) }
```

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

```
.background{ background-color: rgb(135,  
164, 65) }
```

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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