

Converting Colors

XYZ(24.9381, 32.2322, 10.4968)

Have a look what the booklet for
XYZ(24.9381, 32.2322, 10.4968)
contains.

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Color

**XYZ(24.9866, 32.1995,
10.5284)**

Conversions

Conversions Part 1

Format	Color
Hex	8CA345
RGB	140, 163, 69
RGB Percent	55%, 64%, 27%
CMY	0.4510, 0.3608, 0.7294
CMYK	0.14, 0.00, 0.58, 0.36
HSL	75°, 41%, 45%
HSV	75°, 58%, 64%
XYZ	24.9866, 32.1995, 10.5284
YIQ	145.4070, 16.4660, -34.1100

Conversions

Conversions Part 2

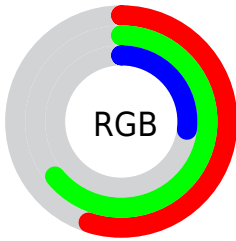
Format	Color
RYB	69, 163, 92
Decimal	9216837
CIELab	63.51, -22.40, 45.28
CIELCh	64, 50.523, 116.322
Yxy	32.1995, 0.3690, 0.4755
Android (android.graphics.Color)	4287406917 (0xFF8CA345)
YUV	145.4070, -37.6687, -4.7419
Hunter-Lab	56.7446, -20.7034, 28.7205

Details

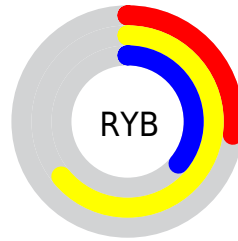
The XYZ color **24.9866, 32.1995, 10.5284** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.1538, 9.1767, 35.7302**, and the grayscale version is **27.2241, 28.6419, 31.1910**.

A 20% lighter version of the original color is **50.9672, 63.1010, 27.2627**, and **9.7084, 13.4325, 2.5713** is the 20% darker color. If you saturate the color by 10%, you get **23.8888, 31.6853, 8.1892**, and if you desaturate by 10%, it is **26.2493, 32.7848, 13.6022**.

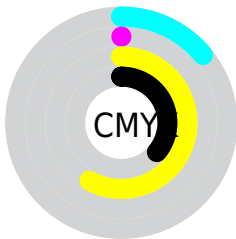
Distribution



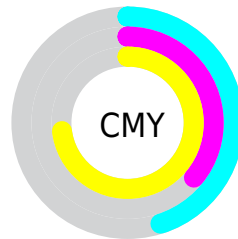
- Red (55%)
- Green (64%)
- Blue (27%)



- Red (27%)
- Yellow (64%)
- Blue (36%)



- Cyan (14%)
- Magenta (0%)
- Yellow (58%)
- Black (36%)



- Cyan (45%)
- Magenta (36%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9866, 32.1995, 10.5284 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 24.9866, 32.1995, 10.5284 by changing the saturation by 10% instead.

■ 24.9866, 32.1995,
10.5284

■ 24.9866, 32.1995,
10.5284

270.1201,
312.0270, 205.0228

■ 16.1957, 21.5139,
5.6405

■ 51.0785, 63.1237,
27.4079

■ 9.7545, 13.5002,
2.5625

■ 69.1103, 84.1311,
40.2367

■ 5.2975, 7.7739,
0.8730

■ 90.9531, 109.3480,
56.5494

■ 2.4594, 3.9506,
0.0000

■ 116.9723,
139.1586, 76.7648

■ 0.8748, 1.6460,
0.0000

■ 147.5333,
173.9474, 101.3013

■ 0.0000, 0.3883,
0.0000

183.0013,

■ 0.0000, 0.0000,

214.0988, 130.5774

0.0000

223.7418,
259.9973, 165.0117

■ 24.9866, 32.1995,
10.5284

■ 24.9866, 32.1995,
10.5284

■ 23.8888, 31.6853,
8.1892

■ 26.2493, 32.7848,
13.6022

■ 22.9417, 31.2329,
6.5208

■ 27.6853, 33.4411,
17.4631

■ 22.1321, 30.8384,
5.4525

■ 29.3049, 34.1737,
22.1612

■ 21.4372, 30.4925,
4.8649

■ 31.1170, 34.9863,
27.7420

■ 21.2825, 30.4151,
4.7490

■ 33.1299, 35.8820,
34.2475

■ 35.3512, 36.8641,
41.7171

■ 37.7882, 37.9355,
50.1879

■ 40.4479, 39.0989,
59.6952

■ 43.3368, 40.3571,
70.2724

Harmonies

Analogous

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



31.4812, 32.1995, 8.8588



24.9866, 32.1995, 10.5284



20.6662, 32.1995, 17.6577

Triad

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



24.9866, 32.1995, 10.5284



23.6957, 32.1995, 78.2238



46.1970, 32.1995, 37.6058

Complementary

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



24.9866, 32.1995, 10.5284



13.1538, 9.1767, 35.7302

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.



43.3068, 32.1995, 61.2484



24.9866, 32.1995, 10.5284



29.7445, 32.1995, 89.7173

Square

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



24.9866, 32.1995, 10.5284



20.0050, 32.1995, 55.2107



37.0074, 32.1995, 82.5472



44.4105, 32.1995, 20.5270

Rectangle

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



24.9866, 32.1995, 10.5284



19.2469, 32.1995, 26.6689



37.0074, 32.1995, 82.5472



45.7301, 32.1995, 45.0484

Sweetspot

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



24.9874, 32.2009, 10.5291



55.8462, 62.7084, 50.0636



19.9150, 15.6879, 7.6091



12.3984, 14.0195, 10.7892



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.



24.9874, 32.2009, 10.5291



42.3125, 56.5207, 13.7739



18.7954, 29.0089, 10.2393



7.4793, 8.1496, 7.5589



16.5820, 23.6588, 3.6926



0.3871, 0.5170, 0.0794

Inverse Universe

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



13.1538, 9.1767, 35.7302



19.1713, 11.3740, 63.2411



19.2103, 12.2989, 36.0136



6.8553, 6.9398, 8.8813



5.8505, 2.4225, 27.0890



0.1626, 0.0714, 0.5711

Previews

White Background



This preview shows how the XYZ color 24.9866, 32.1995, 10.5284 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 24.9866, 32.1995, 10.5284 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 24.9866, 32.1995, 10.5284

Background



This preview shows how black text looks on a background with the XYZ color 24.9866, 32.1995, 10.5284.



This preview shows how white text looks on a background with the XYZ color 24.9866, 32.1995,

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

24.9866, 32.1995, 10.5284

Protanopia

29.3336, 32.1625, 9.8162

Deuteranopia

32.5012, 31.8710, 10.9173



Tritanopia

30.9453, 32.0784, 40.1581

Trichromacy



Original Color

24.9866, 32.1995, 10.5284

Protanomaly

27.5673, 31.9928, 10.0325

Deuteranomaly

29.1925, 31.5823, 10.6883

Tritanomaly

28.1189, 31.9287, 25.7999

Monochromacy



Original Color

24.9866, 32.1995, 10.5284

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.7668, 29.5805, 21.1812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9866, 32.1995, 10.5284 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(140, 163, 69)` looks like.

```
.text, #text, p{  
    color:rgb(140, 163, 69)  
}
```

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(140, 163, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 163, 69) }
```

Border

The CSS property to change the border of an element to XYZ 24.9866, 32.1995, 10.5284 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(140, 163, 69) }
```


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

```
.border{ border-color:rgb(140, 163, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 163, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 163, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 163, 69);  
box-shadow:4px 4px 4px 4px rgb(140, 163,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9866, 32.1995, 10.5284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 163, 69) }
```

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

```
.background{ background-color: rgb(140,  
163, 69) }
```

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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