

Converting Colors

XYZ(24.7009, 32.6788, 19.5492)

Have a look what the booklet for
XYZ(24.7009, 32.6788, 19.5492)
contains.

XYZ(24.7087, 32.6616, 19.4700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.7087, 32.6616,
19.4700)**

Conversions

Conversions Part 1

Format	Color
Hex	7CA66D
RGB	124, 166, 109
RGB Percent	49%, 65%, 43%
CMY	0.5137, 0.3490, 0.5725
CMYK	0.25, 0.00, 0.34, 0.35
HSL	104°, 24%, 54%
HSV	104°, 34%, 65%
XYZ	24.7087, 32.6616, 19.4700
YIQ	146.9440, -6.7350, -26.6310

Conversions

Conversions Part 2

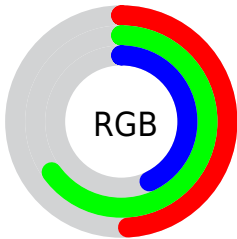
Format	Color
RYB	109, 166, 151
Decimal	8169069
CIELab	63.89, -25.23, 25.06
CIELCh	64, 35.557, 135.191
Yxy	32.6616, 0.3216, 0.4251
Android (android.graphics.Color)	4286359149 (0xFF7CA66D)
YUV	146.9440, -18.7064, -20.1219
Hunter-Lab	57.1503, -22.8394, 19.8063

Details

The XYZ color **24.7087, 32.6616, 19.4700** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.1154, 20.2707, 38.6670**, and the grayscale version is **27.7876, 29.2347, 31.8366**.

A 20% lighter version of the original color is **50.6496, 63.7511, 43.3539**, and **9.6073, 13.7880, 6.5699** is the 20% darker color. If you saturate the color by 10%, you get **22.2389, 31.4830, 15.1221**, and if you desaturate by 10%, it is **27.5683, 34.0236, 24.7185**.

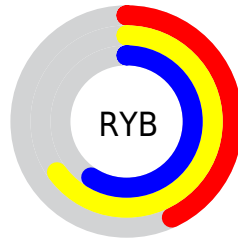
Distribution



Red (49%)

Green (65%)

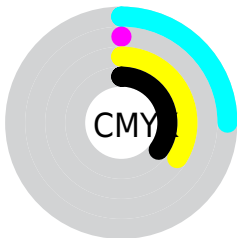
Blue (43%)



Red (43%)

Yellow (65%)

Blue (59%)

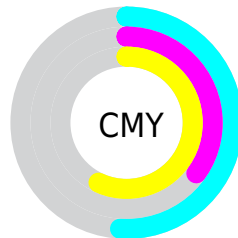


Cyan (25%)

Magenta (0%)

Yellow (34%)

Black (35%)



Cyan (51%)

Magenta (35%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7087, 32.6616, 19.4700 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 24.7087, 32.6616, 19.4700 by changing the saturation by 10% instead.

■ 24.7087, 32.6616,
19.4700

■ 24.7087, 32.6616,
19.4700

268.7586,
314.1221, 261.5399

■ 15.9877, 21.8673,
11.8301

■ 50.6306, 63.8468,
43.3740

■ 9.6063, 13.7595,
6.5070

■ 68.5622, 85.0066,
60.4753

■ 5.1989, 7.9536,
3.0820

■ 90.2947, 110.3903,
81.5674

■ 2.4004, 4.0652,
1.1367

■ 116.1935,
140.3824, 107.0689

■ 0.8453, 1.7101,
0.0000

146.6239,
175.3672, 137.3984

■ 0.0000, 0.4302,
0.0000

181.9514,

■ 0.0000, 0.0000,

215.7292, 172.9743

0.0000

222.5411,
261.8527, 214.2153

■ 24.7087, 32.6616,
19.4700

■ 24.7087, 32.6616,
19.4700

■ 22.2389, 31.4830,
15.1221

■ 27.5683, 34.0236,
24.7185

■ 20.1388, 30.4757,
11.6222

■ 30.8316, 35.5722,
30.9120

■ 18.3904, 29.6325,
8.9154


■ 34.5148, 37.3157,
38.0947


■ 16.9729, 28.9439,
6.9394


■ 38.6324, 39.2609,
46.3073

■ 15.8630, 28.3998,
5.6229


■ 43.1983, 41.4141,
55.5880

 15.0339, 27.9879,
4.8798

 48.2258, 43.7812,
65.9735

 14.6619, 27.8021,
4.5936

 53.7274, 46.3680,
77.4984

 59.7154, 49.1801,
90.1958

 65.6484, 52.0015,
101.1850

Harmonies

Analogous

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



28.5914, 32.6616, 15.0552



24.7087, 32.6616, 19.4700



22.6437, 32.6616, 28.9776

Triad

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



24.7087, 32.6616, 19.4700



28.6501, 32.6616, 69.3885



41.2803, 32.6616, 28.8230

Complementary

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



24.7087, 32.6616, 19.4700



25.1154, 20.2707, 38.6670

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.



41.3004, 32.6616, 43.0773



24.7087, 32.6616, 19.4700



33.6327, 32.6616, 69.3143

Square

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



24.7087, 32.6616, 19.4700



24.7477, 32.6616, 58.9001



38.3787, 32.6616, 58.7185



38.3265, 32.6616, 19.3832

Rectangle

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



24.7087, 32.6616, 19.4700



22.4176, 32.6616, 38.1135



38.3787, 32.6616, 58.7185



41.6400, 32.6616, 33.1287

Sweetspot

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



24.7095, 32.6630, 19.4707



58.6351, 65.8273, 61.2898



29.5219, 31.2814, 18.9504



12.9228, 14.6368, 13.3296



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.7095, 32.6630, 19.4707



41.4490, 57.6572, 29.3259



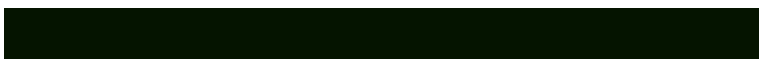
23.4753, 31.9377, 23.4379



7.6150, 8.4996, 8.0285



11.4078, 21.5782, 3.5638



0.3245, 0.5492, 0.0889

Inverse Universe

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



25.1154, 20.2707, 38.6670



42.2815, 31.7901, 69.3829



26.9207, 21.3351, 32.7078



7.6464, 7.5658, 9.4757



11.6419, 5.3851, 28.4013



0.3274, 0.1538, 0.6931

Previews

White Background



This preview shows how the XYZ color 24.7087, 32.6616, 19.4700 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 24.7087, 32.6616, 19.4700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

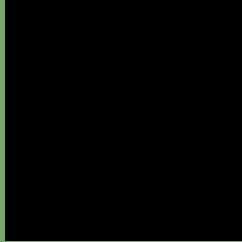
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.7087, 32.6616, 19.4700

Background



This preview shows how black text looks on a background with the XYZ color 24.7087, 32.6616, 19.4700.



This preview shows how white text looks on a background with the XYZ color 24.7087, 32.6616,

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

24.7087, 32.6616, 19.4700

Protanopia

29.9906, 32.3262, 17.7556

Deuteranopia

33.0990, 32.4393, 20.1397



Tritanopia

29.4091, 32.4623, 43.2439

Trichromacy



Original Color

24.7087, 32.6616, 19.4700

Protanomaly

27.5909, 32.0736, 18.3723

Deuteranomaly

29.5463, 32.2939, 20.0053

Tritanomaly

27.2961, 32.3737, 32.8271

Monochromacy



Original Color

24.7087, 32.6616, 19.4700

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.4367, 30.2936, 26.6442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7087, 32.6616, 19.4700 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(124, 166, 109)` looks like.

```
.text, #text, p{  
    color:rgb(124, 166, 109)  
}
```

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(124, 166, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 166, 109) }
```

Border

The CSS property to change the border of an element to XYZ 24.7087, 32.6616, 19.4700 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(124, 166, 109) }
```


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

```
.border{ border-color:rgb(124, 166, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 166, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 166, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 166, 109);  
box-shadow:4px 4px 4px 4px rgb(124, 166,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7087, 32.6616, 19.4700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 166, 109) }
```

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

```
.background{ background-color: rgb(124,  
166, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor