

Converting Colors

XYZ(24.5086, 32.2935, 7.1320)

Have a look what the booklet for
XYZ(24.5086, 32.2935, 7.1320)
contains.

XYZ(24.5086, 32.2935, 7.1320)	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(24.5086, 32.2935,
7.1320)**

Conversions

Conversions Part 1

Format	Color
Hex	8CA42A
RGB	140, 164, 42
RGB Percent	55%, 64%, 16%
CMY	0.4510, 0.3568, 0.8353
CMYK	0.15, 0.00, 0.74, 0.36
HSL	72°, 59%, 40%
HSV	72°, 74%, 64%
XYZ	24.5086, 32.2935, 7.1320
YIQ	142.9160, 24.8580, -43.0300

Conversions

Conversions Part 2

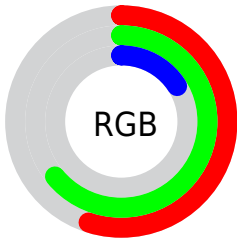
Format	Color
R_{YB}	42, 164, 66
Decimal	9217066
CIE _{Lab}	63.58, -24.79, 56.59
CIE _{LCh}	64, 61.786, 113.656
Yxy	32.2935, 0.3833, 0.5051
Android (android.graphics.Color)	4287407146 (0xFF8CA42A)
YUV	142.9160, -49.7516, -2.5573
Hunter-Lab	56.8274, -22.4641, 32.3381

Details

The XYZ color **24.5086, 32.2935, 7.1320** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.7767, 5.4953, 35.6692**, and the grayscale version is **26.2611, 27.6287, 30.0877**.

A 20% lighter version of the original color is **50.2541, 63.2619, 20.8713**, and **9.6319, 13.5668, 2.1110** is the 20% darker color. If you saturate the color by 10%, you get **23.7376, 31.9243, 5.8652**, and if you desaturate by 10%, it is **25.4172, 32.7218, 9.0335**.

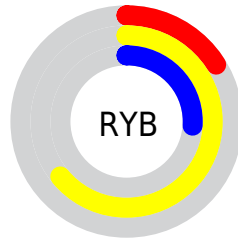
Distribution



Red (55%)

Green (64%)

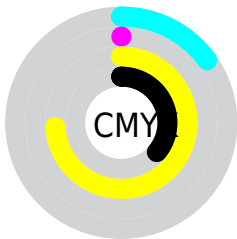
Blue (16%)



Red (16%)

Yellow (64%)

Blue (26%)

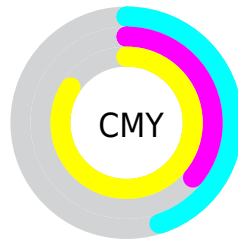


Cyan (15%)

Magenta (0%)

Yellow (74%)

Black (36%)



Cyan (45%)

Magenta (36%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5086, 32.2935, 7.1320 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 24.5086, 32.2935, 7.1320 by changing the saturation by 10% instead.

■ 24.5086, 32.2935,
7.1320

■ 24.5086, 32.2935,
7.1320

267.7748,
312.4541, 178.4284

■ 15.8381, 21.5858,
3.4651

■ 50.3076, 63.2709,
20.7556

■ 9.4998, 13.5529,
1.3367

■ 68.1667, 84.3094,
31.5495

■ 5.1283, 7.8103,
0.0916

■ 89.8195, 109.5603,
45.5560

■ 2.3583, 3.9738,
0.0000

■ 115.6312,
139.4079, 63.1938

■ 0.8242, 1.6589,
0.0000

■ 145.9673,
174.2367, 84.8814

■ 0.0000, 0.3969,
0.0000

■ 181.1930,

■ 0.0000, 0.0000,

214.4311, 111.0373

0.0000

221.6737,
260.3754, 142.0802

■ 24.5086, 32.2935,
7.1320

■ 24.5086, 32.2935,
7.1320

■ 23.7376, 31.9243,
5.8652

■ 25.4172, 32.7218,
9.0335

■ 23.0859, 31.6036,
5.1476

■ 26.4744, 33.2103,
11.6366

■ 22.7505, 31.4365,
4.8688

■ 27.6923, 33.7650,
15.0019

■ 29.0814, 34.3900,
19.1828

■ 30.6509, 35.0890,
24.2283

■ 32.4096, 35.8657,
30.1831

■ 34.3655, 36.7232,
37.0891

■ 36.5262, 37.6645,
44.9854

■ 38.8988, 38.6925,
53.9091

Harmonies

Analogous

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



32.5634, 32.2935, 5.9293



24.5086, 32.2935, 7.1320



19.1794, 32.2935, 13.8563

Triad

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



24.5086, 32.2935, 7.1320



21.8768, 32.2935, 88.9754



50.3046, 32.2935, 40.6762

Complementary

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



24.5086, 32.2935, 7.1320



9.7767, 5.4953, 35.6692

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.



46.0848, 32.2935, 71.4916



24.5086, 32.2935, 7.1320



28.8976, 32.2935, 106.6490

Square

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



24.5086, 32.2935, 7.1320



17.8708, 32.2935, 57.8717



37.8413, 32.2935, 99.0818



48.5298, 32.2935, 19.3395

Rectangle

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



24.5086, 32.2935, 7.1320



17.3711, 32.2935, 23.4179



37.8413, 32.2935, 99.0818



49.5183, 32.2935, 50.2938

Sweetspot

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



24.5093, 32.2950, 7.1327



56.2363, 63.9562, 45.9769



17.5830, 11.7689, 3.5358



12.1253, 13.9072, 9.4910



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.



24.5093, 32.2950, 7.1327



42.3187, 57.5694, 9.7220



17.0565, 28.4529, 6.7839



7.5123, 8.1666, 7.5605



17.4817, 24.1226, 3.7348



0.4003, 0.5239, 0.0800

Inverse Universe

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



9.7767, 5.4953, 35.6692



14.4097, 6.4950, 64.2465



16.0410, 8.7247, 35.9624



6.8246, 6.9239, 8.8798



5.6333, 2.3105, 27.0789



0.1519, 0.0658, 0.5706

Previews

White Background



This preview shows how the XYZ color 24.5086, 32.2935, 7.1320 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 24.5086, 32.2935, 7.1320 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 24.5086, 32.2935, 7.1320

Background



This preview shows how black text looks on a background with the XYZ color 24.5086, 32.2935, 7.1320.



This preview shows how white text looks on a background with the XYZ color 24.5086, 32.2935,

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

24.5086, 32.2935, 7.1320

Protanopia

29.1554, 32.1419, 6.5868

Deuteranopia

32.5928, 31.9945, 7.4753



Tritanopia

31.1317, 32.1745, 40.1668

Trichromacy



Original Color

24.5086, 32.2935, 7.1320

Protanomaly

27.3078, 32.1840, 6.7803

Deuteranomaly

29.1379, 31.8719, 7.3055

Tritanomaly

27.6599, 31.7659, 22.4429

Monochromacy



Original Color

24.5086, 32.2935, 7.1320

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.8235, 28.9246, 17.9103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5086, 32.2935, 7.1320 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, 164, 42)` looks like.

```
.text, #text, p{  
    color:rgb(140, 164, 42)  
}
```

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, 164, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 164, 42) }
```

Border

The CSS property to change the border of an element to XYZ 24.5086, 32.2935, 7.1320 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, 164, 42) }
```


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

```
.border{ border-color:rgb(140, 164, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 164, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 164, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 164, 42);  
box-shadow:4px 4px 4px 4px rgb(140, 164,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5086, 32.2935, 7.1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 164, 42) }
```

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

```
.background{ background-color: rgb(140,  
164, 42) }
```

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