

Converting Colors

XYZ(24.3577, 32.1710, 9.1578)

Have a look what the booklet for
XYZ(24.3577, 32.1710, 9.1578)
contains.

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Color

**XYZ(24.4076, 32.1955,
9.2029)**

Conversions

Conversions Part 1

Format	Color
Hex	89A43C
RGB	137, 164, 60
RGB Percent	54%, 64%, 24%
CMY	0.4627, 0.3568, 0.7647
CMYK	0.16, 0.00, 0.63, 0.36
HSL	76°, 46%, 44%
HSV	76°, 63%, 64%
XYZ	24.4076, 32.1955, 9.2029
YIQ	144.0710, 17.2920, -38.0680

Conversions

Conversions Part 2

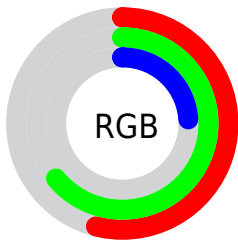
Format	Color
RYB	60, 164, 87
Decimal	9020476
CIELab	63.50, -24.88, 49.30
CIELCh	64, 55.228, 116.778
Yxy	32.1955, 0.3709, 0.4892
Android (android.graphics.Color)	4287210556 (0xFF89A43C)
YUV	144.0710, -41.4470, -6.2013
Hunter-Lab	56.7411, -22.5138, 30.1024

Details

The XYZ color **24.4076, 32.1955, 9.2029** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.2484, 7.9391, 36.0106**, and the grayscale version is **26.6955, 28.0858, 30.5854**.

A 20% lighter version of the original color is **50.2485, 63.1703, 24.8740**, and **9.4503, 13.4732, 2.1025** is the 20% darker color. If you saturate the color by 10%, you get **23.3554, 31.6967, 7.2310**, and if you desaturate by 10%, it is **25.6232, 32.7651, 11.8851**.

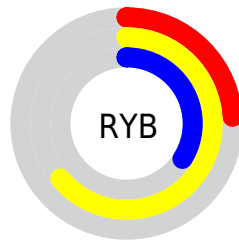
Distribution



Red (54%)

Green (64%)

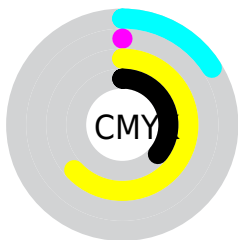
Blue (24%)



Red (24%)

Yellow (64%)

Blue (34%)

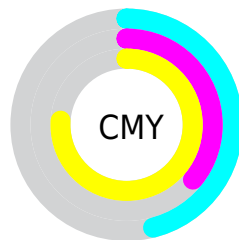


Cyan (16%)

Magenta (0%)

Yellow (63%)

Black (36%)



Cyan (46%)


Magenta (36%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4076, 32.1955, 9.2029 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 24.4076, 32.1955, 9.2029 by changing the saturation by 10% instead.


 24.4076, 32.1955,
9.2029


 24.4076, 32.1955,
9.2029


267.2771,
312.0089, 195.1578


 15.7626, 21.5109,
4.7751


 50.1444, 63.1174,
24.8690

 9.4461, 13.4979,
2.0595


 67.9669, 84.1235,
36.9444


 5.0927, 7.7723,
0.5915


 89.5793, 109.3389,
52.4061

 2.3371, 3.9496,
0.0000

 115.3470,
139.1480, 71.6726

 0.8135, 1.6454,
0.0000

 145.6352,
173.9351, 95.1625

 0.0000, 0.3879,
0.0000

 180.8094,

 0.0000, 0.0000,

214.0847, 123.2943

0.0000

221.2349,
259.9812, 156.4866

■ 24.4076, 32.1955,
9.2029

■ 24.4076, 32.1955,
9.2029

■ 23.3554, 31.6967,
7.2310

■ 25.6232, 32.7651,
11.8851

■ 22.4513, 31.2591,
5.8995

■ 27.0116, 33.4059,
15.3348

■ 21.6801, 30.8779,
5.1280

■ 28.5838, 34.1236,
19.6057

■ 21.2203, 30.6477,
4.7972

■ 30.3494, 34.9218,
24.7462

■ 32.3171, 35.8042,
30.8008

■ 34.4950, 36.7741,
37.8111

■ 36.8909, 37.8345,
45.8160

■ 39.5120, 38.9884,
54.8523

■ 42.3653, 40.2387,
64.9551

Harmonies

Analogous

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



31.4400, 32.1955, 7.4867



24.4076, 32.1955, 9.2029



19.8179, 32.1955, 16.5882

Triad

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



24.4076, 32.1955, 9.2029



23.1896, 32.1955, 83.7900



47.8765, 32.1955, 37.4914

Complementary

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



24.4076, 32.1955, 9.2029



12.2484, 7.9391, 36.0106

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.



44.7210, 32.1955, 63.7716



24.4076, 32.1955, 9.2029



29.7768, 32.1955, 96.6587

Square

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



24.4076, 32.1955, 9.2029



19.2019, 32.1955, 57.8197



37.7620, 32.1955, 88.1202



45.8006, 32.1955, 19.2213

Rectangle

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



24.4076, 32.1955, 9.2029



18.3397, 32.1955, 26.2296



37.7620, 32.1955, 88.1202



47.3812, 32.1955, 45.6675

Sweetspot

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



24.4084, 32.1969, 9.2036



56.4900, 64.0166, 49.1694



19.4544, 14.8753, 6.1213



12.1427, 13.9022, 10.1195



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.



24.4084, 32.1969, 9.2036



41.7018, 57.1999, 12.0221



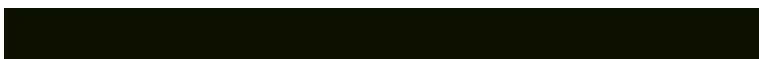
17.9299, 28.8572, 8.9004



7.4691, 8.1443, 7.5584



16.3159, 23.5216, 3.6802



0.3831, 0.5150, 0.0792

Inverse Universe

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



12.2484, 7.9391, 36.0106



17.9480, 9.6314, 64.6654



18.7991, 11.3161, 36.3172



6.8649, 6.9447, 8.8817



5.9277, 2.4623, 27.0926



0.1660, 0.0731, 0.5712

Previews

White Background



This preview shows how the XYZ color 24.4076, 32.1955, 9.2029 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 24.4076, 32.1955, 9.2029 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 24.4076, 32.1955, 9.2029

Background



This preview shows how black text looks on a background with the XYZ color 24.4076, 32.1955, 9.2029.



This preview shows how white text looks on a background with the XYZ color 24.4076, 32.1955,

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

24.4076, 32.1955, 9.2029

Protanopia

29.0887, 32.0645, 8.5268

Deuteranopia

32.4975, 31.8983, 9.5984



Tritanopia

30.8330, 32.2539, 40.6770

Trichromacy



Original Color

24.4076, 32.1955, 9.2029

Protanomaly

27.2887, 32.1301, 8.7665

Deuteranomaly

29.1112, 31.8106, 9.4562

Tritanomaly

27.7347, 32.0058, 24.7946

Monochromacy



Original Color

24.4076, 32.1955, 9.2029

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.0317, 28.9882, 19.8988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4076, 32.1955, 9.2029 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(137, 164, 60)` looks like.

```
.text, #text, p{  
    color:rgb(137, 164, 60)  
}
```

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(137, 164, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 164, 60) }
```

Border

The CSS property to change the border of an element to XYZ 24.4076, 32.1955, 9.2029 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(137, 164, 60) }
```


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

```
.border{ border-color:rgb(137, 164, 60) }
```

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

Here you see how a box with a 4 pixel rgb(137, 164, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 164, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 164, 60);  
box-shadow:4px 4px 4px 4px rgb(137, 164,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4076, 32.1955, 9.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 164, 60) }
```

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

```
.background{ background-color: rgb(137,  
164, 60) }
```

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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