

Converting Colors

XYZ(27.5265, 37.8792, 24.5174)

Have a look what the booklet for
XYZ(27.5265, 37.8792, 24.5174)
contains.

XYZ(27.6421, 38.0656, 24.6294)	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(27.6421, 38.0656,
24.6294)**

Conversions

Conversions Part 1

Format	Color
Hex	78B47B
RGB	120, 180, 123
RGB Percent	47%, 71%, 48%
CMY	0.5294, 0.2941, 0.5176
CMYK	0.33, 0.00, 0.32, 0.29
HSL	123°, 29%, 59%
HSV	123°, 33%, 71%
XYZ	27.6421, 38.0656, 24.6294
YIQ	155.5620, -17.4630, -30.4470

Conversions

Conversions Part 2

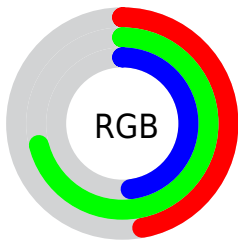
Format	Color
RYB	120, 177, 180
Decimal	7910523
CIELab	68.07, -31.10, 23.09
CIELCh	68, 38.730, 143.410
Yxy	38.0656, 0.3060, 0.4214
Android (android.graphics.Color)	4286100603 (0xFF78B47B)
YUV	155.5620, -16.0531, -31.1879
Hunter-Lab	61.6973, -27.9974, 19.5197

Details

The XYZ color **27.6421, 38.0656, 24.6294** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **33.4759, 26.3113, 44.9105**, and the grayscale version is **31.4804, 33.1198, 36.0674**.

A 20% lighter version of the original color is **55.2875, 72.1242, 52.0817**, and **11.2093, 16.9021, 9.1502** is the 20% darker color. If you saturate the color by 10%, you get **24.3979, 36.5073, 19.3696**, and if you desaturate by 10%, it is **31.5445, 39.9438, 30.8977**.

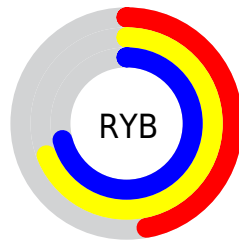
Distribution



Red (47%)

Green (71%)

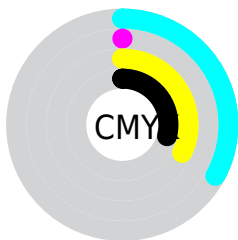
Blue (48%)



Red (47%)

Yellow (69%)

Blue (71%)

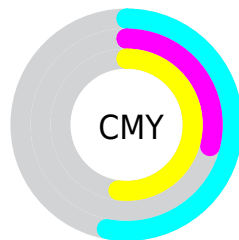


Cyan (33%)

Magenta (0%)

Yellow (32%)

Black (29%)



Cyan (53%)

Magenta (29%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6421, 38.0656, 24.6294 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 27.6421, 38.0656, 24.6294 by changing the saturation by 10% instead.

■ 27.6421, 38.0656,
24.6294

■ 27.6421, 38.0656,
24.6294

282.8640,
337.9013, 289.3756

■ 18.1951, 26.0336,
15.5847

■ 55.3252, 72.2087,
52.0120

■ 11.1907, 16.8488,
9.0796

■ 74.2920, 95.0885,
71.1869

■ 6.2635, 10.1267,
4.6956

■ 97.1628, 122.3532,
94.5757

■ 3.0481, 5.4831,
2.0142

124.3029,
154.3869, 122.5968

■ 1.1793, 2.5334,
0.5640

156.0777,
191.5742, 155.6688

■ 0.0899, 0.8933,
0.0000

192.8526,

■ 0.0000, 0.0000,

234.2995, 194.2103

0.0000

234.9929,
282.9470, 238.6397

■ 27.6421, 38.0656,
24.6294

■ 27.6421, 38.0656,
24.6294

■ 24.3979, 36.5073,
19.3696

■ 31.5445, 39.9438,
30.8977

■ 21.7730, 35.2467,
15.0633

■ 36.1356, 42.1533,
38.2206

■ 19.7287, 34.2662,
11.6542

■ 41.4474, 44.7106,
46.6444

■ 18.2210, 33.5444,
9.0789

■ 47.5091, 47.6300,
56.2121

■ 17.1992, 33.0567,
7.2659

■ 54.3481, 50.9248,
66.9640

■ 16.6035, 32.7741,
6.1317

■ 61.9908, 54.6076,
78.9387

■ 16.3713, 32.6637,
5.7004

■ 70.4619, 58.6905,
92.1731

■ 75.6120, 61.1240,
102.4207

Harmonies

Analogous

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



31.7641, 38.0656, 17.8228



27.6421, 38.0656, 24.6294



25.8362, 38.0656, 37.7497

Triad

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



27.6421, 38.0656, 24.6294



34.8651, 38.0656, 83.9873



47.9045, 38.0656, 29.5986

Complementary

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



27.6421, 38.0656, 24.6294



33.4759, 26.3113, 44.9105

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.



48.9713, 38.0656, 45.3781



27.6421, 38.0656, 24.6294



40.9878, 38.0656, 80.0236

Square

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



27.6421, 38.0656, 24.6294



29.6963, 38.0656, 74.2557



46.3170, 38.0656, 64.5733



43.5453, 38.0656, 20.0846

Rectangle

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



27.6421, 38.0656, 24.6294



26.0282, 38.0656, 49.6395



46.3170, 38.0656, 64.5733



48.6787, 38.0656, 34.2094

Sweetspot

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



27.6431, 38.0672, 24.6302



68.4213, 77.8267, 73.9107



37.8445, 43.3476, 24.1418



14.5106, 16.6874, 15.5337



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.6431, 38.0672, 24.6302



45.6835, 66.8879, 37.4746



29.8178, 38.9371, 36.0820



8.4056, 9.4967, 9.1297



11.4332, 22.7992, 4.0178



0.3654, 0.7196, 0.1563

Inverse Universe

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



33.4759, 26.3113, 44.9105



57.8884, 42.2811, 79.9042



30.8064, 25.2435, 30.8534



8.8313, 8.6392, 10.6101



18.2746, 8.8274, 27.6695



0.5806, 0.2800, 0.8999

Previews

White Background



This preview shows how the XYZ color 27.6421, 38.0656, 24.6294 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 27.6421, 38.0656, 24.6294 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 27.6421, 38.0656, 24.6294

Background



This preview shows how black text looks on a background with the XYZ color 27.6421, 38.0656, 24.6294.



This preview shows how white text looks on a background with the XYZ color 27.6421, 38.0656,

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

27.6421, 38.0656, 24.6294

Protanopia

35.0261, 37.6596, 22.2526

Deuteranopia

38.5426, 37.8241, 25.6914



Tritanopia

33.1312, 37.9558, 52.0344

Trichromacy



Original Color

27.6421, 38.0656, 24.6294

Protanomaly

31.6091, 37.2495, 22.9766

Deuteranomaly

33.5210, 37.3593, 25.1830

Tritanomaly

30.8429, 37.8935, 40.3389

Monochromacy



Original Color

27.6421, 38.0656, 24.6294

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

29.8169, 34.7635, 31.5241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6421, 38.0656, 24.6294 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(120, 180, 123)` looks like.

```
.text, #text, p{  
    color:rgb(120, 180, 123)  
}
```

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(120, 180, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 180, 123) }
```

Border

The CSS property to change the border of an element to XYZ 27.6421, 38.0656, 24.6294 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(120, 180, 123) }
```


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

```
.border{ border-color:rgb(120, 180, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 180, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 180, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 180, 123);  
box-shadow:4px 4px 4px 4px rgb(120, 180,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6421, 38.0656, 24.6294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 180, 123) }
```

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

```
.background{ background-color: rgb(120,  
180, 123) }
```

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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