

Converting Colors

XYZ(24.2516, 27.2050, 7.6503)

Have a look what the booklet for
XYZ(24.2516, 27.2050, 7.6503)
contains.

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Color

**XYZ(24.2046, 27.2006,
7.7159)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9038
RGB	155, 144, 56
RGB Percent	61%, 56%, 22%
CMY	0.3922, 0.4353, 0.7804
CMYK	0.00, 0.07, 0.64, 0.39
HSL	53°, 47%, 41%
HSV	53°, 64%, 61%
XYZ	24.2046, 27.2006, 7.7159
YIQ	137.2570, 34.8040, -25.0360

Conversions

Conversions Part 2

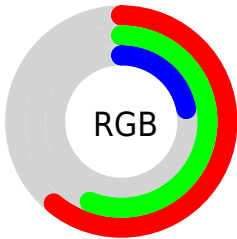
Format	Color
RYB	68, 155, 56
Decimal	10195000
CIELab	59.16, -7.04, 46.82
CIELCh	59, 47.348, 98.549
Yxy	27.2006, 0.4094, 0.4601
Android (android.graphics.Color)	4288385080 (0xFF9B9038)
YUV	137.2570, -40.0597, 15.5606
Hunter-Lab	52.1542, -8.4285, 27.7363

Details

The XYZ color **24.2046, 27.2006, 7.7159** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.5544, 7.2214, 31.9004**, and the grayscale version is **24.0135, 25.2641, 27.5126**.

A 20% lighter version of the original color is **49.9993, 55.4468, 21.9770**, and **9.3695, 10.7721, 1.5854** is the 20% darker color. If you saturate the color by 10%, you get **23.6242, 26.5554, 5.9332**, and if you desaturate by 10%, it is **24.9076, 27.9032, 10.1192**.

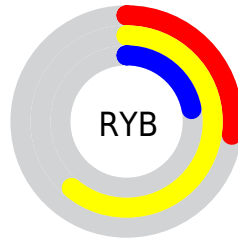
Distribution



Red (61%)

Green (56%)

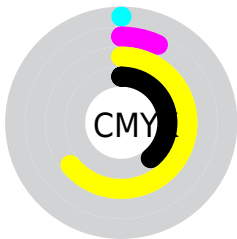
Blue (22%)



Red (27%)

Yellow (61%)

Blue (22%)

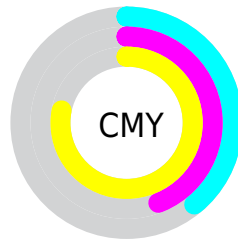


Cyan (0%)

Magenta (7%)

Yellow (64%)

Black (39%)



Cyan (39%)

Magenta (44%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2046, 27.2006, 7.7159 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 24.2046, 27.2006, 7.7159 by changing the saturation by 10% instead.

■ 24.2046, 27.2006,
7.7159

■ 24.2046, 27.2006,
7.7159

■ 266.2746,
288.6271, 183.3370

■ 15.6110, 17.7239,
3.8285

■ 49.8161, 55.2056,
21.9365

■ 9.3384, 10.7520,
1.5318

■ 67.5648, 74.5027,
33.1068

■ 5.0214, 5.9003,
0.2414

■ 89.0958, 97.8421,
47.5418

■ 2.2947, 2.7846,
0.0000

■ 114.7746,
125.6082, 65.6602

■ 0.7920, 1.0203,
0.0000

■ 144.9666,
158.1853, 87.8803

■ 0.0000, 0.0000,
0.0000

■ 180.0369,

195.9579, 114.6208

220.3512,
239.3104, 146.3002

■ 24.2046, 27.2006,
7.7159

■ 24.2046, 27.2006,
7.7159

■ 23.6242, 26.5554,
5.9332

■ 24.9076, 27.9032,
10.1192

■ 23.1533, 25.9593,
4.7102

■ 25.7413, 28.6635,
13.1933

■ 22.7790, 25.4082,
3.9766

■ 26.7149, 29.4862,
16.9848

■ 22.5750, 25.0837,
3.6518

■ 27.8366, 30.3745,
21.5360

■ 29.1137, 31.3315,
26.8858

■ 30.5531, 32.3599,
33.0705

■ 32.1614, 33.4623,
40.1240

■ 33.9446, 34.6413,
48.0785

■ 35.9086, 35.8992,
56.9645

Harmonies

Analogous

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



30.2243, 27.2006, 8.5120



24.2046, 27.2006, 7.7159



19.4131, 27.2006, 10.7915

Triad

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



24.2046, 27.2006, 7.7159



17.9628, 27.2006, 54.8043



37.9040, 27.2006, 43.1462

Complementary

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



24.2046, 27.2006, 7.7159



9.5544, 7.2214, 31.9004

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.



33.5804, 27.2006, 62.9526



24.2046, 27.2006, 7.7159



21.9255, 27.2006, 71.2725

Square

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



24.2046, 27.2006, 7.7159



16.1858, 27.2006, 34.7097



27.5753, 27.2006, 74.7171



38.7611, 27.2006, 25.0482

Rectangle

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



24.2046, 27.2006, 7.7159



17.3387, 27.2006, 15.7021



27.5753, 27.2006, 74.7171



36.7794, 27.2006, 49.9902

Sweetspot

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



24.2052, 27.2019, 7.7165



50.8465, 55.1535, 42.6982



15.9615, 10.2090, 6.5267



11.3734, 12.3812, 9.1000



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.2052, 27.2019, 7.7165



41.8949, 47.0532, 9.4934



19.7780, 27.5134, 8.0099



6.6503, 7.1057, 6.6269



18.1497, 20.1818, 2.9389



0.2859, 0.3308, 0.0488

Inverse Universe

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



9.5544, 7.2214, 31.9004



13.5462, 8.4444, 56.4523



11.9418, 7.5723, 31.8423



5.9370, 6.1313, 7.7995



4.9312, 2.2590, 25.0838



0.0864, 0.0592, 0.3792

Previews

White Background



This preview shows how the XYZ color 24.2046, 27.2006, 7.7159 looks on a white background.

Color Contrast Check

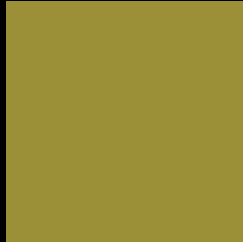
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2046, 27.2006, 7.7159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

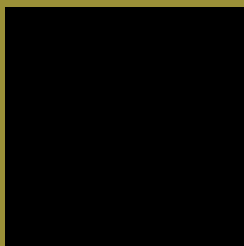
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2046, 27.2006, 7.7159

Background



This preview shows how black text looks on a background with the XYZ color 24.2046, 27.2006, 7.7159.



This preview shows how white text looks on a background with the XYZ color 24.2046, 27.2006,

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

24.2046, 27.2006, 7.7159

Protanopia

24.8343, 27.3014, 7.7022

Deuteranopia

27.5849, 26.9908, 7.8935



Tritanopia

28.8791, 27.1588, 30.5081

Trichromacy



Original Color

24.2046, 27.2006, 7.7159

Protanomaly

24.6368, 27.1995, 7.6929

Deuteranomaly

26.2144, 26.9175, 7.8169

Tritanomaly

26.5663, 26.8428, 19.4038

Monochromacy



Original Color

24.2046, 27.2006, 7.7159

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.5865, 25.7682, 17.9180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2046, 27.2006, 7.7159 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(155, 144, 56)` looks like.

```
.text, #text, p{  
    color:rgb(155, 144, 56)  
}
```

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(155, 144, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 144, 56) }
```

Border

The CSS property to change the border of an element to XYZ 24.2046, 27.2006, 7.7159 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(155, 144, 56) }
```


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

```
.border{ border-color:rgb(155, 144, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 144, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 144, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 144, 56);  
box-shadow:4px 4px 4px 4px rgb(155, 144,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2046, 27.2006, 7.7159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 144, 56) }
```

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

```
.background{ background-color: rgb(155,  
144, 56) }
```

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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