

Converting Colors

XYZ(24.8027, 31.5800, 12.2461)

Have a look what the booklet for
XYZ(24.8027, 31.5800, 12.2461)
contains.

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Color

**XYZ(24.8036, 31.5432,
12.1783)**

Conversions

Conversions Part 1

Format	Color
Hex	8BA14F
RGB	139, 161, 79
RGB Percent	55%, 63%, 31%
CMY	0.4549, 0.3686, 0.6902
CMYK	0.14, 0.00, 0.51, 0.37
HSL	76°, 34%, 47%
HSV	76°, 51%, 63%
XYZ	24.8036, 31.5432, 12.1783
YIQ	145.0740, 13.2100, -30.1660

Conversions

Conversions Part 2

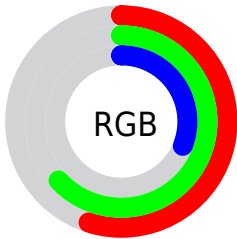
Format	Color
RYB	79, 161, 101
Decimal	9150799
CIELab	62.96, -20.84, 39.78
CIELCh	63, 44.911, 117.650
Yxy	31.5432, 0.3620, 0.4603
Android (android.graphics.Color)	4287340879 (0xFF8BA14F)
YUV	145.0740, -32.5745, -5.3269
Hunter-Lab	56.1633, -19.4543, 26.4581

Details

The XYZ color **24.8036, 31.5432, 12.1783** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **14.5971, 10.9327, 35.0609**, and the grayscale version is **27.0689, 28.4786, 31.0132**.

A 20% lighter version of the original color is **50.8333, 62.1928, 30.4443**, and **9.6335, 13.0573, 3.2409** is the 20% darker color. If you saturate the color by 10%, you get **23.5802, 30.9732, 9.4239**, and if you desaturate by 10%, it is **26.1990, 32.1875, 15.6829**.

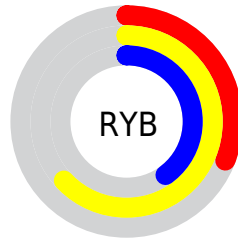
Distribution



Red (55%)

Green (63%)

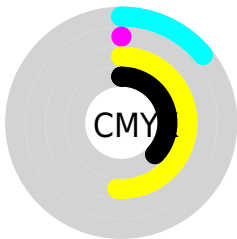
Blue (31%)



Red (31%)

Yellow (63%)

Blue (40%)

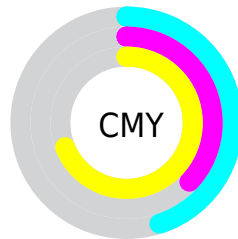


Cyan (14%)

Magenta (0%)

Yellow (51%)

Black (37%)



Cyan (45%)

Magenta (37%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8036, 31.5432, 12.1783 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 24.8036, 31.5432, 12.1783 by changing the saturation by 10% instead.

■ 24.8036, 31.5432,
12.1783

■ 24.8036, 31.5432,
12.1783

269.2242,
309.0331, 216.6018

■ 16.0587, 21.0128,
6.7412

■ 50.7836, 62.0943,
30.4887

■ 9.6568, 13.1334,
3.2248

■ 68.7495, 82.8838,
44.1990

■ 5.2325, 7.5205,
1.2105

■ 90.5197, 107.8618,
61.5042

■ 2.4205, 3.7897,
0.0000

■ 116.4597,
137.4127, 82.8228

■ 0.8553, 1.5566,
0.0000

■ 146.9348,
171.9209, 108.5733

■ 0.0000, 0.3281,
0.0000

182.3103,

■ 0.0000, 0.0000,

211.7707, 139.1743

0.0000

222.9517,
257.3467, 175.0443

■ 24.8036, 31.5432,
12.1783

■ 24.8036, 31.5432,
12.1783

■ 23.5802, 30.9732,
9.4239

■ 26.1990, 32.1875,
15.6829

■ 22.5158, 30.4690,
7.3628

■ 27.7738, 32.9057,
19.9852

■ 21.5989, 30.0270,
5.9332

■ 29.5377, 33.7030,
25.1311

■ 20.8152, 29.6415,
5.0615

■ 31.4989, 34.5825,
31.1622

■ 20.1897, 29.3287,
4.5969

■ 33.6652, 35.5476,
38.1178

■ 36.0437, 36.6010,
46.0345

■ 38.6415, 37.7456,
54.9470

■ 41.4650, 38.9841,
64.8883

■ 44.5205, 40.3189,
75.8899

Harmonies

Analogous

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



30.4701, 31.5432, 10.3482



24.8036, 31.5432, 12.1783



21.0309, 31.5432, 19.1794

Triad

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



24.8036, 31.5432, 12.1783



24.0682, 31.5432, 71.8046



43.4710, 31.5432, 35.7577

Complementary

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



24.8036, 31.5432, 12.1783



14.5971, 10.9327, 35.0609

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.



41.1661, 31.5432, 55.9316



24.8036, 31.5432, 12.1783



29.4969, 31.5432, 80.7292

Square

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



24.8036, 31.5432, 12.1783



20.6490, 31.5432, 52.6566



35.8327, 31.5432, 74.1073



41.7702, 31.5432, 20.8632

Rectangle

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



24.8036, 31.5432, 12.1783



19.8176, 31.5432, 27.5764



35.8327, 31.5432, 74.1073



43.1329, 31.5432, 42.1398

Sweetspot

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



24.8044, 31.5446, 12.1790



54.8367, 61.2274, 50.9080



20.7511, 17.4240, 9.6671



11.8752, 13.3602, 10.7003



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



24.8044, 31.5446, 12.1790



41.9817, 55.3517, 16.3642



19.2086, 28.6599, 11.9171



7.4632, 8.1412, 7.5582



16.1642, 23.4434, 3.6731



0.3808, 0.5138, 0.0791

Inverse Universe

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



14.5971, 10.9327, 35.0609



21.6771, 14.2728, 61.9990



20.3626, 13.9050, 35.3307



6.8705, 6.9476, 8.8820



5.9747, 2.4865, 27.0948



0.1679, 0.0741, 0.5713

Previews

White Background



This preview shows how the XYZ color 24.8036, 31.5432, 12.1783 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 24.8036, 31.5432, 12.1783 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 24.8036, 31.5432, 12.1783

Background



This preview shows how black text looks on a background with the XYZ color 24.8036, 31.5432, 12.1783.



This preview shows how white text looks on a background with the XYZ color 24.8036, 31.5432,

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

24.8036, 31.5432, 12.1783

Protanopia

28.6812, 31.3031, 11.3679

Deuteranopia

31.9364, 31.3144, 12.5447



Tritanopia

30.3235, 31.5264, 39.6089

Trichromacy



Original Color

24.8036, 31.5432, 12.1783

Protanomaly

26.9655, 31.1466, 11.6118

Deuteranomaly

28.9518, 31.1774, 12.4746

Tritanomaly

27.6320, 31.1559, 26.7476

Monochromacy



Original Color

24.8036, 31.5432, 12.1783

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.8455, 29.3533, 22.3927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8036, 31.5432, 12.1783 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(139, 161, 79)` looks like.

```
.text, #text, p{  
    color:rgb(139, 161, 79)  
}
```

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(139, 161, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 161, 79) }
```

Border

The CSS property to change the border of an element to XYZ 24.8036, 31.5432, 12.1783 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(139, 161, 79) }
```


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

```
.border{ border-color:rgb(139, 161, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 161, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 161, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 161, 79);  
box-shadow:4px 4px 4px 4px rgb(139, 161,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8036, 31.5432, 12.1783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 161, 79) }
```

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

```
.background{ background-color: rgb(139,  
161, 79) }
```

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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