

Converting Colors

XYZ(24.5541, 30.2130, 20.1608)

Have a look what the booklet for
XYZ(24.5541, 30.2130, 20.1608)
contains.

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Color

**XYZ(24.5533, 30.2117,
20.1601)**

Conversions

Conversions Part 1

Format	Color
Hex	849D71
RGB	132, 157, 113
RGB Percent	52%, 62%, 44%
CMY	0.4824, 0.3843, 0.5569
CMYK	0.16, 0.00, 0.28, 0.38
HSL	94°, 18%, 53%
HSV	94°, 28%, 62%
XYZ	24.5533, 30.2117, 20.1601
YIQ	144.5090, -0.7760, -18.9840

Conversions

Conversions Part 2

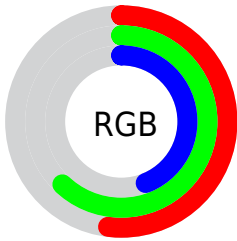
Format	Color
RYB	113, 157, 138
Decimal	8691057
CIELab	61.84, -17.06, 20.21
CIELCh	62, 26.448, 130.174
Yxy	30.2117, 0.3277, 0.4032
Android (android.graphics.Color)	4286881137 (0xFF849D71)
YUV	144.5090, -15.5339, -10.9704
Hunter-Lab	54.9652, -16.4519, 16.7293

Details

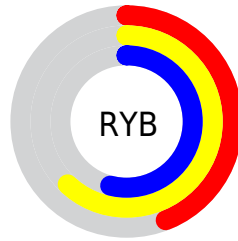
The XYZ color **24.5533, 30.2117, 20.1601** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.4734, 19.6487, 34.5080**, and the grayscale version is **26.7764, 28.1708, 30.6780**.

A 20% lighter version of the original color is **50.5847, 60.2427, 44.5592**, and **9.5878, 12.4836, 6.9053** is the 20% darker color. If you saturate the color by 10%, you get **22.4090, 29.2006, 15.8382**, and if you desaturate by 10%, it is **26.9714, 31.3481, 25.2943**.

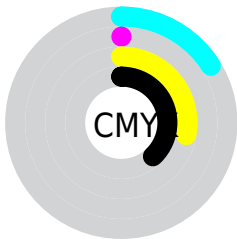
Distribution



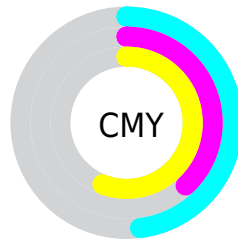
- Red (52%)
- Green (62%)
- Blue (44%)



- Red (44%)
- Yellow (62%)
- Blue (54%)



- Cyan (16%)
- Magenta (0%)
- Yellow (28%)
- Black (38%)



- Cyan (48%)
- Magenta (38%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5533, 30.2117, 20.1601 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 24.5533, 30.2117, 20.1601 by changing the saturation by 10% instead.

■ 24.5533, 30.2117,
20.1601

■ 24.5533, 30.2117,
20.1601

267.9948,
302.8900, 265.4134

■ 15.8715, 19.9993,
12.3262

■ 50.3797, 59.9968,
44.5479

■ 9.5236, 12.3946,
6.8410

■ 68.2551, 80.3383,
61.9390

■ 5.1440, 7.0130,
3.2860

■ 89.9257, 104.8250,
83.3529

■ 2.3677, 3.4702,
1.2424

■ 115.7569,
133.8413, 109.2081

■ 0.8289, 1.3819,
0.0139

146.1141,
167.7715, 139.9232

■ 0.0000, 0.2033,
0.0000

181.3626,

■ 0.0000, 0.0000,

207.0001, 175.9168

0.0000

221.8677,
251.9115, 217.6073

■ 24.5533, 30.2117,
20.1601

■ 24.5533, 30.2117,
20.1601

■ 22.4090, 29.2006,
15.8382

■ 26.9714, 31.3481,
25.2943

■ 20.5254, 28.3063,
12.2851

■ 29.6712, 32.6102,
31.2776

■ 18.8915, 27.5249,
9.4560

■ 32.6631, 34.0037,
38.1466

■ 17.4947, 26.8511,
7.3010

■ 35.9562, 35.5323,
45.9354

■ 16.3209, 26.2788,
5.7635

■ 39.5591, 37.2000,
54.6764

■ 15.3541, 25.8012,
4.7780

■ 43.4803, 39.0103,
64.4001

■ 14.5681, 25.4074,
4.2253

■ 47.7277, 40.9666,
75.1360

■ 14.4269, 25.3366,
4.1301

■ 52.3090, 43.0725,
86.9120

■ 57.2316, 45.3310,
99.7552

Harmonies

Analogous

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



27.5323, 30.2117, 17.2254



24.5533, 30.2117, 20.1601



22.7888, 30.2117, 26.7301

Triad

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



24.5533, 30.2117, 20.1601



26.4731, 30.2117, 54.7936



35.9317, 30.2117, 29.5780

Complementary

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



24.5533, 30.2117, 20.1601



22.4734, 19.6487, 34.5080

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.



35.5894, 30.2117, 39.9425



24.5533, 30.2117, 20.1601



29.9317, 30.2117, 55.9923

Square

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



24.5533, 30.2117, 20.1601



23.8326, 30.2117, 47.1052



33.3229, 30.2117, 50.1064



34.2231, 30.2117, 21.8761

Rectangle

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



24.5533, 30.2117, 20.1601



22.4455, 30.2117, 32.9546



33.3229, 30.2117, 50.1064



36.0558, 30.2117, 32.8363

Sweetspot

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



24.5541, 30.2130, 20.1608



53.0706, 58.3685, 55.8654



25.9653, 26.5193, 19.3734



11.5198, 12.7698, 11.9371



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.



24.5541, 30.2130, 20.1608



41.3722, 52.8801, 30.8153



22.0164, 28.8854, 20.9182



6.8088, 7.5341, 7.0810



11.7577, 20.5980, 3.3561



0.2578, 0.3928, 0.0622

Inverse Universe

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



22.4734, 19.6487, 34.5080



36.9801, 30.5919, 61.0825



25.6492, 21.3145, 33.3647



6.6273, 6.6118, 8.3336



8.3484, 3.7327, 26.1877



0.1972, 0.0915, 0.4705

Previews

White Background



This preview shows how the XYZ color 24.5533, 30.2117, 20.1601 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 24.5533, 30.2117, 20.1601 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

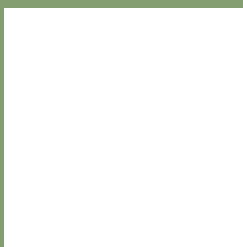
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5533, 30.2117, 20.1601

Background



This preview shows how black text looks on a background with the XYZ color 24.5533, 30.2117, 20.1601.



This preview shows how white text looks on a background with the XYZ color 24.5533, 30.2117,

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

24.5533, 30.2117, 20.1601

Protanopia

28.0050, 30.0726, 18.7966

Deuteranopia

30.6540, 30.0198, 20.7018



Tritanopia

28.4927, 30.3530, 39.0073

Trichromacy



Original Color

24.5533, 30.2117, 20.1601

Protanomaly

26.6204, 30.0663, 19.1522

Deuteranomaly

27.9825, 29.7885, 20.4946

Tritanomaly

26.8186, 30.1452, 31.1932

Monochromacy



Original Color

24.5533, 30.2117, 20.1601

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.7963, 28.7638, 26.3827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5533, 30.2117, 20.1601 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(132, 157, 113)` looks like.

```
.text, #text, p{  
    color:rgb(132, 157, 113)  
}
```

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(132, 157, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 157, 113) }
```

Border

The CSS property to change the border of an element to XYZ 24.5533, 30.2117, 20.1601 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(132, 157, 113) }
```


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

```
.border{ border-color:rgb(132, 157, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 157, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 157, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 157, 113);  
box-shadow:4px 4px 4px 4px rgb(132, 157,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5533, 30.2117, 20.1601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 157, 113) }
```

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

```
.background{ background-color: rgb(132,  
157, 113) }
```

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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