

Converting Colors

XYZ(24.3098, 28.9333, 20.8266)

Have a look what the booklet for
XYZ(24.3098, 28.9333, 20.8266)
contains.

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Color

**XYZ(24.2121, 28.7858,
20.8031)**

Conversions

Conversions Part 1

Format	Color
Hex	869874
RGB	134, 152, 116
RGB Percent	53%, 60%, 45%
CMY	0.4745, 0.4039, 0.5451
CMYK	0.12, 0.00, 0.24, 0.40
HSL	90°, 15%, 53%
HSV	90°, 24%, 60%
XYZ	24.2121, 28.7858, 20.8031
YIQ	142.5140, 0.8280, -15.0120

Conversions

Conversions Part 2

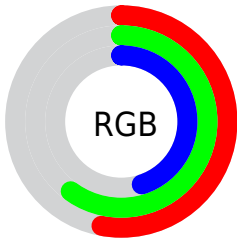
Format	Color
RYB	116, 152, 134
Decimal	8820852
CIELab	60.59, -13.18, 16.86
CIELCh	61, 21.404, 128.011
Yxy	28.7858, 0.3281, 0.3900
Android (android.graphics.Color)	4287010932 (0xFF869874)
YUV	142.5140, -13.0714, -7.4668
Hunter-Lab	53.6524, -13.3387, 14.5677

Details

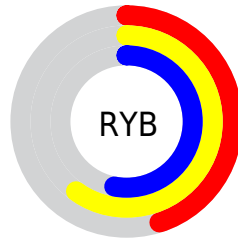
The XYZ color **24.2121, 28.7858, 20.8031** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.7457, 19.8270, 32.3883**, and the grayscale version is **25.9656, 27.3179, 29.7492**.

A 20% lighter version of the original color is **49.6327, 57.5346, 45.5351**, and **9.3532, 11.6095, 7.2167** is the 20% darker color. If you saturate the color by 10%, you get **22.2312, 27.8594, 16.4666**, and if you desaturate by 10%, it is **26.4263, 29.8175, 25.9070**.

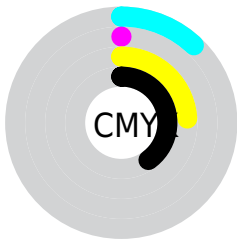
Distribution



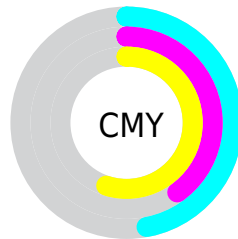
- Red (53%)
- Green (60%)
- Blue (45%)



- Red (45%)
- Yellow (60%)
- Blue (53%)



- Cyan (12%)
- Magenta (0%)
- Yellow (24%)
- Black (40%)



- Cyan (47%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2121, 28.7858, 20.8031 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 24.2121, 28.7858, 20.8031 by changing the saturation by 10% instead.

■ 24.2121, 28.7858,
20.8031

■ 24.2121, 28.7858,
20.8031

266.3117,
296.2030, 268.9768

■ 15.6166, 18.9188,
12.7903

■ 49.8283, 57.7366,
45.6361

■ 9.3424, 11.6116,
7.1553

■ 67.5796, 77.5892,
63.2935

■ 5.0241, 6.4798,
3.4795

■ 89.1137, 101.5392,
85.0027

■ 2.2963, 3.1390,
1.3444

114.7958,
129.9709, 111.1824

■ 0.7928, 1.2047,
0.0977

144.9913,
163.2687, 142.2512

■ 0.0000, 0.0656,
0.0000

180.0655,

■ 0.0000, 0.0000,

201.8171, 178.6275

0.0000

220.3839,
246.0004, 220.7298

■ 24.2121, 28.7858,
20.8031

■ 24.2121, 28.7858,
20.8031

■ 22.2312, 27.8594,
16.4666

■ 26.4263, 29.8175,
25.9070

■ 20.4725, 27.0308,
12.8584

■ 28.8799, 30.9542,
31.8111

■ 18.9273, 26.2972,
9.9391

■ 31.5816, 32.2006,
38.5483

■ 17.5853, 25.6544,
7.6645

■ 34.5386, 33.5599,
46.1494

■ 16.4351, 25.0974,
5.9855

■ 37.7583, 35.0350,
54.6435

■ 15.4639, 24.6210,
4.8457

■ 41.2475, 36.6290,
64.0583

■ 14.6569, 24.2189,
4.1778

■ 45.0126, 38.3445,
74.4204

■ 14.2086, 23.9939,
3.8824

■ 49.0601, 40.1844,
85.7552

■ 53.3961, 42.1512,
98.0873

Harmonies

Analogous

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



26.6251, 28.7858, 18.5437



24.2121, 28.7858, 20.8031



22.7163, 28.7858, 25.9756

Triad

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



24.2121, 28.7858, 20.8031



25.4154, 28.7858, 47.7049



32.9752, 28.7858, 29.2666

Complementary

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



24.2121, 28.7858, 20.8031



21.7457, 19.8270, 32.3883

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.



32.5970, 28.7858, 37.4028



24.2121, 28.7858, 20.8031



28.1083, 28.7858, 48.9865

Square

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



24.2121, 28.7858, 20.8031



23.3777, 28.7858, 41.6959



30.7696, 28.7858, 44.9495



31.7707, 28.7858, 22.8633

Rectangle

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



24.2121, 28.7858, 20.8031



22.3789, 28.7858, 30.8167



30.7696, 28.7858, 44.9495



33.0304, 28.7858, 31.8749

Sweetspot

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



24.2129, 28.7871, 20.8037



49.4299, 53.9203, 52.3872



24.6275, 24.9877, 20.0485



11.1827, 12.2313, 11.7811



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



24.2129, 28.7871, 20.8037



40.9860, 49.9913, 32.8338



21.5840, 27.4318, 20.6807



6.4116, 7.0696, 6.6325



11.9487, 20.1357, 3.2568



0.2205, 0.3226, 0.0507

Inverse Universe

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



21.7457, 19.8270, 32.3883



35.9168, 31.5812, 56.6364



24.8630, 21.4340, 32.5342



6.1640, 6.1704, 7.7951



7.2876, 3.2080, 25.1428



0.1509, 0.0696, 0.3778

Previews

White Background



This preview shows how the XYZ color 24.2121, 28.7858, 20.8031 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 24.2121, 28.7858, 20.8031 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 24.2121, 28.7858, 20.8031

Background



This preview shows how black text looks on a background with the XYZ color 24.2121, 28.7858, 20.8031.



This preview shows how white text looks on a background with the XYZ color 24.2121, 28.7858,

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

24.2121, 28.7858, 20.8031

Protanopia

26.9698, 28.8179, 19.7637

Deuteranopia

29.0103, 28.4992, 21.1114



Tritanopia

27.2657, 28.6018, 36.4314

Trichromacy



Original Color

24.2121, 28.7858, 20.8031

Protanomaly

25.8399, 28.6906, 20.0955

Deuteranomaly

26.8944, 28.2988, 20.8743

Tritanomaly

26.0291, 28.5663, 30.1286

Monochromacy



Original Color

24.2121, 28.7858, 20.8031

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

25.3277, 27.8267, 26.2265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2121, 28.7858, 20.8031 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(134, 152, 116)` looks like.

```
.text, #text, p{  
    color:rgb(134, 152, 116)  
}
```

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(134, 152, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 152, 116) }
```

Border

The CSS property to change the border of an element to XYZ 24.2121, 28.7858, 20.8031 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(134, 152, 116) }
```


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

```
.border{ border-color:rgb(134, 152, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 152, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 152, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 152, 116);  
box-shadow:4px 4px 4px 4px rgb(134, 152,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2121, 28.7858, 20.8031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 152, 116) }
```

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

```
.background{ background-color: rgb(134,  
152, 116) }
```

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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