

Converting Colors

XYZ(21.4326, 24.6063, 20.1429)

Have a look what the booklet for
XYZ(21.4326, 24.6063, 20.1429)
contains.

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Color

**XYZ(21.4326, 24.6063,
20.1429)**

Conversions

Conversions Part 1

Format	Color
Hex	808C74
RGB	128, 140, 116
RGB Percent	50%, 55%, 45%
CMY	0.4980, 0.4510, 0.5451
CMYK	0.09, 0.00, 0.17, 0.45
HSL	90°, 9%, 50%
HSV	90°, 17%, 55%
XYZ	21.4326, 24.6063, 20.1429
YIQ	133.6760, 0.5520, -10.0080

Conversions

Conversions Part 2

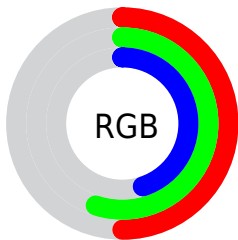
Format	Color
R_{YB}	116, 140, 128
Decimal	8424564
CIE Lab	56.69, -8.99, 11.37
CIE LCh	57, 14.490, 128.323
Yxy	24.6063, 0.3238, 0.3718
Android (android.graphics.Color)	4286614644 (0xFF808C74)
YUV	133.6760, -8.7143, -4.9779
Hunter-Lab	49.6047, -9.6842, 10.6475

Details

The XYZ color **21.4326, 24.6063, 20.1429** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.8820, 18.9741, 27.4267**, and the grayscale version is **22.5725, 23.7480, 25.8616**.

A 20% lighter version of the original color is **45.4157, 51.2345, 44.5414**, and **7.9240, 9.3919, 6.8640** is the 20% darker color. If you saturate the color by 10%, you get **19.6621, 23.7814, 16.1246**, and if you desaturate by 10%, it is **23.3999, 25.5199, 24.8122**.

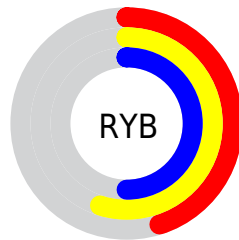
Distribution



Red (50%)

Green (55%)

Blue (45%)



Red (45%)

Yellow (55%)

Blue (50%)

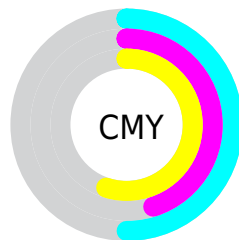


Cyan (9%)

Magenta (0%)

Yellow (17%)

Black (45%)



Cyan (50%)

Magenta (45%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4326, 24.6063, 20.1429 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 21.4326, 24.6063, 20.1429 by changing the saturation by 10% instead.

■ 21.4326, 24.6063,
20.1429

■ 21.4326, 24.6063,
20.1429

252.2571,
275.8716, 265.3175

■ 13.5548, 15.7840,
12.3139

■ 45.2923, 51.0178,
44.5188

■ 7.8913, 9.3714,
6.8327

■ 62.0049, 69.3758,
61.9026

■ 4.0767, 4.9842,
3.2808

■ 82.3932, 91.6811,
83.3086

■ 1.7456, 2.2380,
1.2398

106.8225,
118.3181, 109.1550

■ 0.4846, 0.7406,
0.0116

135.6582,
149.6713, 139.8606

■ 0.0000, 0.0000,
0.0000

169.2656,

186.1250, 175.8439

208.0101,
228.0636, 217.5233

■ 21.4326, 24.6063,
20.1429

■ 21.4326, 24.6063,
20.1429

■ 19.6621, 23.7814,
16.1246

■ 23.3999, 25.5199,
24.8122

■ 18.0794, 23.0391,
12.7268

■ 25.5685, 26.5218,
30.1579

■ 16.6778, 22.3772,
9.9188

■ 27.9454, 27.6157,
36.2063

■ 15.4494, 21.7925,
7.6671

■ 30.5364, 28.8041,
42.9813

■ 14.3856, 21.2813,
5.9342

■ 33.3471, 30.0895,
50.5063

■ 13.4766, 20.8396,
4.6786

■ 36.3832, 31.4741,
58.8031

■ 12.7118, 20.4628,
3.8520

■ 39.6497, 32.9603,
67.8929

■ 12.0725, 20.1434,
3.3666

■ 43.1518, 34.5501,
77.7961

■ 11.9039, 20.0590,
3.2444

■ 46.8943, 36.2457,
88.5322

Harmonies

Analogous

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



22.9210, 24.6063, 18.6089



21.4326, 24.6063, 20.1429



20.4999, 24.6063, 23.5041

Triad

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



21.4326, 24.6063, 20.1429



22.2094, 24.6063, 36.3888



26.7473, 24.6063, 25.4692

Complementary

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



21.4326, 24.6063, 20.1429



19.8820, 18.9741, 27.4267

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.



26.5343, 24.6063, 30.3732



21.4326, 24.6063, 20.1429



23.8604, 24.6063, 37.0791

Square

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



21.4326, 24.6063, 20.1429



20.9332, 24.6063, 32.9776



25.4579, 24.6063, 34.7638



26.0266, 24.6063, 21.4328

Rectangle

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



21.4326, 24.6063, 20.1429



20.2918, 24.6063, 26.5211



25.4579, 24.6063, 34.7638



26.7832, 24.6063, 27.0649

Sweetspot

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



21.4333, 24.6074, 20.1434



42.0033, 45.3378, 45.5657



21.6877, 22.2756, 19.6800



9.6256, 10.4224, 10.3703



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.4333, 24.6074, 20.1434



36.4022, 42.7375, 32.3289



19.7336, 23.7312, 20.0639



5.1945, 5.7230, 5.3833



10.5994, 17.8342, 2.8837



0.0873, 0.1272, 0.0199

Inverse Universe

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



19.8820, 18.9741, 27.4267



33.0813, 30.6778, 47.9208



21.7952, 19.9604, 27.5162



4.9973, 5.0070, 6.3089



6.4735, 2.8514, 22.2549



0.0599, 0.0276, 0.1486

Previews

White Background



This preview shows how the XYZ color 21.4326, 24.6063, 20.1429 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 21.4326, 24.6063, 20.1429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

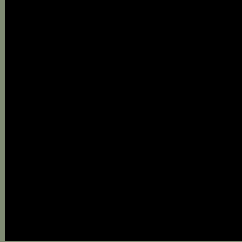
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4326, 24.6063, 20.1429

Background



This preview shows how black text looks on a background with the XYZ color 21.4326, 24.6063, 20.1429.



This preview shows how white text looks on a background with the XYZ color 21.4326, 24.6063,

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

21.4326, 24.6063, 20.1429

Protanopia

23.0289, 24.3825, 19.4121

Deuteranopia

24.9039, 24.5092, 20.5577



Tritanopia

23.7435, 24.7014, 31.1202

Trichromacy



Original Color

21.4326, 24.6063, 20.1429

Protanomaly

22.5214, 24.5324, 19.7679

Deuteranomaly

23.4130, 24.3543, 20.2965

Tritanomaly

22.7497, 24.4942, 26.8214

Monochromacy



Original Color

21.4326, 24.6063, 20.1429

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.1506, 24.0462, 23.5526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4326, 24.6063, 20.1429 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(128, 140, 116)` looks like.

```
.text, #text, p{  
    color:rgb(128, 140, 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(128, 140, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 140, 116) }
```

Border

The CSS property to change the border of an element to XYZ 21.4326, 24.6063, 20.1429 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(128, 140, 116) }
```


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

```
.border{ border-color:rgb(128, 140, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 140, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 140, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 140, 116);  
box-shadow:4px 4px 4px 4px rgb(128, 140,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4326, 24.6063, 20.1429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 140, 116) }
```

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

```
.background{ background-color: rgb(128,  
140, 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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