

Converting Colors

XYZ(20.3312, 23.9124, 21.7203)

Have a look what the booklet for
XYZ(20.3312, 23.9124, 21.7203)
contains.

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Color

**XYZ(20.4370, 24.0586,
21.6558)**

Conversions

Conversions Part 1

Format	Color
Hex	778C79
RGB	119, 140, 121
RGB Percent	47%, 55%, 47%
CMY	0.5333, 0.4510, 0.5255
CMYK	0.15, 0.00, 0.14, 0.45
HSL	126°, 8%, 51%
HSV	126°, 15%, 55%
XYZ	20.4370, 24.0586, 21.6558
YIQ	131.5550, -6.4170, -10.3610

Conversions

Conversions Part 2

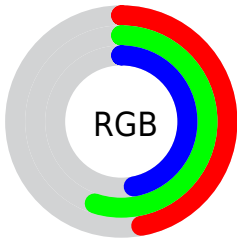
Format	Color
R_{YB}	119, 138, 140
Decimal	7834745
CIE _{Lab}	56.15, -11.43, 7.65
CIE _{LCh}	56, 13.752, 146.219
Yxy	24.0586, 0.3089, 0.3637
Android (android.graphics.Color)	4286024825 (0xFF778C79)
YUV	131.5550, -5.2036, -11.0107
Hunter-Lab	49.0496, -11.4629, 8.1577

Details

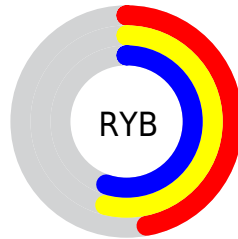
The XYZ color **20.4370, 24.0586, 21.6558** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.0003, 20.6046, 26.8633**, and the grayscale version is **21.7923, 22.9272, 24.9678**.

A 20% lighter version of the original color is **43.6292, 50.2586, 46.9365**, and **7.3517, 9.0823, 7.4965** is the 20% darker color. If you saturate the color by 10%, you get **17.9289, 22.8503, 17.7464**, and if you desaturate by 10%, it is **23.3315, 25.4557, 26.1167**.

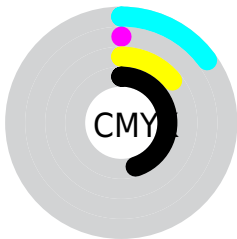
Distribution



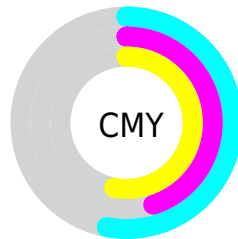
- Red (47%)
- Green (55%)
- Blue (47%)



- Red (47%)
- Yellow (54%)
- Blue (55%)



- Cyan (15%)
- Magenta (0%)
- Yellow (14%)
- Black (45%)



- Cyan (53%)
- Magenta (45%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4370, 24.0586, 21.6558 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 20.4370, 24.0586, 21.6558 by changing the saturation by 10% instead.

■ 20.4370, 24.0586,
21.6558

■ 20.4370, 24.0586,
21.6558

247.0599,
273.1166, 273.6381

■ 12.8232, 15.3771,
13.4083

■ 43.6470, 50.1258,
47.0713

■ 7.3831, 9.0845,
7.5763

■ 59.9739, 68.2803,
65.0764

■ 3.7513, 4.7963,
3.7412

■ 79.9360, 90.3613,
87.1712

■ 1.5624, 2.1283,
1.4845

103.8984,
116.7531, 113.7741

■ 0.3677, 0.6804,
0.2063

132.2267,
147.8401, 145.3037

■ 0.0000, 0.0000,
0.0000

165.2861,

184.0068, 182.1785

203.4421,
225.6375, 224.8171

■ 20.4370, 24.0586,
21.6558

■ 20.4370, 24.0586,
21.6558

■ 17.9289, 22.8503,
17.7464

■ 23.3315, 25.4557,
26.1167

■ 15.7890, 21.8197,
14.3657

■ 26.6258, 27.0461,
31.1479

■ 14.0005, 20.9595,
11.4915

■ 30.3349, 28.8376,
36.7689

■ 12.5445, 20.2603,
9.0993

■ 34.4727, 30.8371,
42.9980

■ 11.4004, 19.7122,
7.1628

■ 39.0523, 33.0510,
49.8528

■ 10.5453, 19.3039,
5.6529

■ 44.0861, 35.4853,
57.3500

■ 9.9531, 19.0227,
4.5376

■ 49.5863, 38.1459,
65.5057

■ 9.5895, 18.8516,
3.7797

■ 55.5644, 41.0385,
74.3355

■ 9.4534, 18.7871,
3.5203

■ 62.0316, 44.1685,
83.8545

Harmonies

Analogous

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



21.5527, 24.0586, 19.1489



20.4370, 24.0586, 21.6558



19.9715, 24.0586, 25.6270

Triad

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



20.4370, 24.0586, 21.6558



22.6675, 24.0586, 35.8566



25.6979, 24.0586, 22.5416

Complementary

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



20.4370, 24.0586, 21.6558



22.0003, 20.6046, 26.8633

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.



26.0296, 24.0586, 26.7728



20.4370, 24.0586, 21.6558



24.2337, 24.0586, 34.7886

Square

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



20.4370, 24.0586, 21.6558



21.2213, 24.0586, 34.1011



25.4823, 24.0586, 31.3296



24.5956, 24.0586, 19.6175

Rectangle

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



20.4370, 24.0586, 21.6558



20.0760, 24.0586, 28.6982



25.4823, 24.0586, 31.3296



25.9054, 24.0586, 23.8431

Sweetspot

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



20.4377, 24.0596, 21.6563



41.0760, 44.8502, 45.9561



23.2315, 25.5140, 21.1532



9.3874, 10.2971, 10.4704



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.



20.4377, 24.0596, 21.6563



34.4623, 41.6598, 35.7442



21.1002, 24.3247, 25.1455



4.9900, 5.6155, 5.4682



8.4032, 16.6938, 3.1478



0.0580, 0.1118, 0.0325

Inverse Universe

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



22.0003, 20.6046, 26.8633



37.7606, 34.3667, 46.7342



21.2926, 20.3215, 23.1367



5.2137, 5.1209, 6.2136



12.9981, 6.3094, 18.2922



0.0891, 0.0430, 0.1361

Previews

White Background



This preview shows how the XYZ color 20.4370, 24.0586, 21.6558 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 20.4370, 24.0586, 21.6558 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 20.4370, 24.0586, 21.6558

Background



This preview shows how black text looks on a background with the XYZ color 20.4370, 24.0586, 21.6558.



This preview shows how white text looks on a background with the XYZ color 20.4370, 24.0586,

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

20.4370, 24.0586, 21.6558

Protanopia

22.7796, 24.0209, 20.5754

Deuteranopia

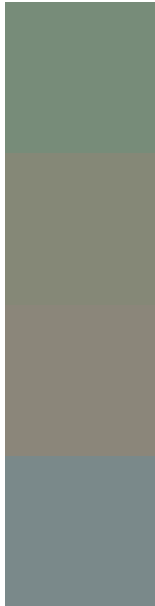
24.3203, 23.9746, 22.0846



Tritanopia

22.2390, 23.9259, 31.0498

Trichromacy



Original Color

20.4370, 24.0586, 21.6558

Protanomaly

21.8068, 23.9268, 20.9218

Deuteranomaly

22.6854, 23.9443, 21.8384

Tritanomaly

21.5591, 23.8639, 27.5147

Monochromacy



Original Color

20.4370, 24.0586, 21.6558

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.3127, 23.3985, 23.8151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4370, 24.0586, 21.6558 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(119, 140, 121)` looks like.

```
.text, #text, p{  
    color:rgb(119, 140, 121)  
}
```

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(119, 140, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 140, 121) }
```

Border

The CSS property to change the border of an element to XYZ 20.4370, 24.0586, 21.6558 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(119, 140, 121) }
```


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

```
.border{ border-color:rgb(119, 140, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 140, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 140, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 140, 121);  
box-shadow:4px 4px 4px 4px rgb(119, 140,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4370, 24.0586, 21.6558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 140, 121) }
```

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

```
.background{ background-color: rgb(119,  
140, 121) }
```

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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