

Converting Colors

XYZ(20.5370, 24.1022, 21.4439)

Have a look what the booklet for
XYZ(20.5370, 24.1022, 21.4439)
contains.

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Color

**XYZ(20.5140, 24.1053,
21.3409)**

Conversions

Conversions Part 1

Format	Color
Hex	788C78
RGB	120, 140, 120
RGB Percent	47%, 55%, 47%
CMY	0.5294, 0.4510, 0.5294
CMYK	0.14, 0.00, 0.14, 0.45
HSL	120°, 8%, 51%
HSV	120°, 14%, 55%
XYZ	20.5140, 24.1053, 21.3409
YIQ	131.7400, -5.5000, -10.4600

Conversions

Conversions Part 2

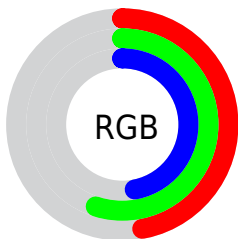
Format	Color
R_{YB}	120, 140, 140
Decimal	7900280
CIE _{Lab}	56.19, -11.26, 8.30
CIE _{LCh}	56, 13.982, 143.610
Yxy	24.1053, 0.3110, 0.3655
Android (android.graphics.Color)	4286090360 (0xFF788C78)
YUV	131.7400, -5.7878, -10.2960
Hunter-Lab	49.0971, -11.3383, 8.5966

Details

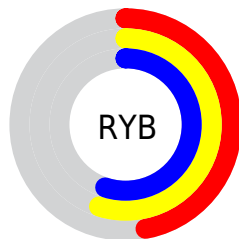
The XYZ color **20.5140, 24.1053, 21.3409** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2662, 20.9025, 27.6731**, and the grayscale version is **21.8606, 22.9991, 25.0460**.

A 20% lighter version of the original color is **43.7514, 50.3328, 46.4390**, and **7.4244, 9.1198, 7.4999** is the 20% darker color. If you saturate the color by 10%, you get **17.9241, 22.8619, 17.1040**, and if you desaturate by 10%, it is **23.5135, 25.5468, 26.2465**.

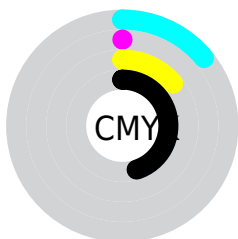
Distribution



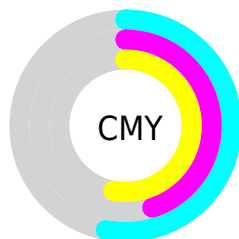
- Red (47%)
- Green (55%)
- Blue (47%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5140, 24.1053, 21.3409 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 20.5140, 24.1053, 21.3409 by changing the saturation by 10% instead.

■ 20.5140, 24.1053,
21.3409

■ 20.5140, 24.1053,
21.3409

247.4652,
273.3524, 271.9250

■ 12.8796, 15.4118,
13.1798

■ 43.7747, 50.2020,
46.5423

■ 7.4222, 9.1089,
7.4203

■ 60.1317, 68.3739,
64.4197

■ 3.7761, 4.8123,
3.6439

■ 80.1270, 90.4741,
86.3729

■ 1.5763, 2.1375,
1.4321

104.1260,
116.8869, 112.8204

■ 0.3769, 0.6856,
0.1666

132.4939,
147.9967, 144.1809

■ 0.0000, 0.0000,
0.0000

165.5962,

184.1880, 180.8727

203.7981,
225.8451, 223.3146

■ 20.5140, 24.1053,
21.3409

■ 20.5140, 24.1053,
21.3409

■ 17.9241, 22.8619,
17.1040

■ 23.5135, 25.5468,
26.2465

■ 15.7240, 21.8051,
13.5055

■ 26.9370, 27.1913,
31.8464

■ 13.8956, 20.9269,
10.5147

■ 30.8010, 29.0474,
38.1666

■ 12.4183, 20.2172,
8.0983

■ 35.1202, 31.1221,
45.2315

■ 11.2696, 19.6655,
6.2195

■ 39.9089, 33.4224,
53.0642

■ 10.4245, 19.2595,
4.8371

■ 45.1806, 35.9546,
61.6869

■ 9.8542, 18.9856,
3.9043

■ 50.9482, 38.7251,
71.1209

■ 9.5225, 18.8262,
3.3617

■ 57.2243, 41.7398,
81.3866

■ 9.3786, 18.7571,
3.1262

■ 64.0210, 45.0046,
92.5037

Harmonies

Analogous

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



21.6965, 24.1053, 18.9474



20.5140, 24.1053, 21.3409



19.9771, 24.1053, 25.2744

Triad

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



20.5140, 24.1053, 21.3409



22.5693, 24.1053, 36.0546



25.8594, 24.1053, 22.8610

Complementary

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



20.5140, 24.1053, 21.3409



22.2662, 20.9025, 27.6731

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.



26.1197, 24.1053, 27.2434



20.5140, 24.1053, 21.3409



24.1707, 24.1053, 35.2142

Square

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



20.5140, 24.1053, 21.3409



21.1275, 24.1053, 34.0302



25.4886, 24.1053, 31.8517



24.7930, 24.1053, 19.7507

Rectangle

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



20.5140, 24.1053, 21.3409



20.0388, 24.1053, 28.3834



25.4886, 24.1053, 31.8517



26.0461, 24.1053, 24.2197

Sweetspot

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



20.5147, 24.1063, 21.3414



41.5681, 45.0932, 46.4593



23.5845, 25.6889, 21.4850



9.4889, 10.3476, 10.5591



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.



20.5147, 24.1063, 21.3414



34.6887, 41.7887, 35.2068



21.1538, 24.3620, 24.7072



4.9719, 5.6082, 5.3729



8.3329, 16.6657, 2.7777



0.0554, 0.1107, 0.0185

Inverse Universe

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



22.2662, 20.9025, 27.6731



38.3631, 35.0675, 48.4896



21.5618, 20.6207, 23.9636



5.2339, 5.1290, 6.3200



13.8158, 6.6364, 22.5981



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 20.5140, 24.1053, 21.3409 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 20.5140, 24.1053, 21.3409 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 20.5140, 24.1053, 21.3409

Background



This preview shows how black text looks on a background with the XYZ color 20.5140, 24.1053, 21.3409.



This preview shows how white text looks on a background with the XYZ color 20.5140, 24.1053,

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

20.5140, 24.1053, 21.3409

Protanopia

22.7205, 23.9973, 20.2641

Deuteranopia

24.4444, 24.0458, 21.7653



Tritanopia

22.3828, 24.0000, 31.0565

Trichromacy



Original Color

20.5140, 24.1053, 21.3409

Protanomaly

21.7470, 23.9029, 20.6071

Deuteranomaly

22.7915, 24.0061, 21.5216

Tritanomaly

21.6294, 23.9084, 27.1417

Monochromacy



Original Color

20.5140, 24.1053, 21.3409

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.4623, 23.4757, 23.8221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5140, 24.1053, 21.3409 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(120, 140, 120)` looks like.

```
.text, #text, p{  
    color:rgb(120, 140, 120)  
}
```

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(120, 140, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 140, 120) }
```

Border

The CSS property to change the border of an element to XYZ 20.5140, 24.1053, 21.3409 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(120, 140, 120) }
```


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

```
.border{ border-color:rgb(120, 140, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 140, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 140, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 140, 120);  
box-shadow:4px 4px 4px 4px rgb(120, 140,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5140, 24.1053, 21.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 140, 120) }
```

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

```
.background{ background-color: rgb(120,  
140, 120) }
```

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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