

Converting Colors

XYZ(20.7331, 20.6264, 24.4634)

Have a look what the booklet for
XYZ(20.7331, 20.6264, 24.4634)
contains.

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Color

**XYZ(20.7291, 20.5443,
24.3456)**

Conversions

Conversions Part 1

Format	Color
Hex	857A83
RGB	133, 122, 131
RGB Percent	52%, 48%, 51%
CMY	0.4784, 0.5216, 0.4863
CMYK	0.00, 0.08, 0.02, 0.48
HSL	311°, 4%, 50%
HSV	311°, 8%, 52%
XYZ	20.7291, 20.5443, 24.3456
YIQ	126.3150, 3.6670, 5.1310

Conversions

Conversions Part 2

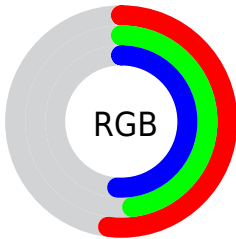
Format	Color
R_{YB}	133, 122, 131
Decimal	8747651
CIE Lab	52.45, 5.94, -3.38
CIE LCh	52, 6.829, 330.355
Yxy	20.5443, 0.3159, 0.3131
Android (android.graphics.Color)	4286937731 (0xFF857A83)
YUV	126.3150, 2.3097, 5.8627
Hunter-Lab	45.3258, 2.3142, -0.1180

Details

The XYZ color **20.7291, 20.5443, 24.3456** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.0524, 22.3684, 22.3305**, and the grayscale version is **19.9304, 20.9683, 22.8345**.

A 20% lighter version of the original color is **44.0375, 44.1719, 51.5524**, and **7.4728, 7.2133, 8.9811** is the 20% darker color. If you saturate the color by 10%, you get **19.0447, 17.4346, 22.9850**, and if you desaturate by 10%, it is **22.6420, 24.1044, 25.8018**.

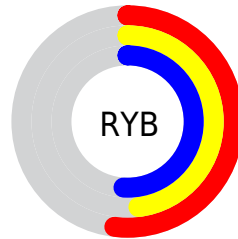
Distribution



Red (52%)

Green (48%)

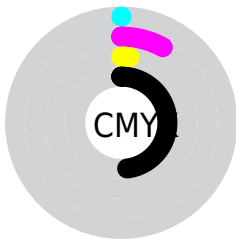
Blue (51%)



Red (52%)

Yellow (48%)

Blue (51%)

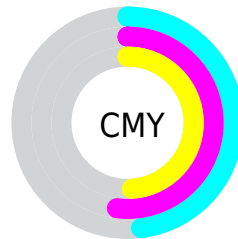


Cyan (0%)

Magenta (8%)

Yellow (2%)

Black (48%)



Cyan (48%)

Magenta (52%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7291, 20.5443, 24.3456 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 20.7291, 20.5443, 24.3456 by changing the saturation by 10% instead.

■ 20.7291, 20.5443,
24.3456

■ 20.7291, 20.5443,
24.3456

248.5943,
254.8467, 287.9057

■ 13.0375, 12.7913,
15.3756

■ 44.1309, 44.3279,
51.5445

■ 7.5315, 7.2850,
8.9339

■ 60.5718, 61.1273,
70.6104

■ 3.8459, 3.6410,
4.6019

■ 80.6598, 81.7109,
93.8788

■ 1.6153, 1.4748,
1.9610

104.7604,
106.4632, 121.7681

■ 0.4024, 0.2709,
0.5311

133.2387,
135.7685, 154.6969

■ 0.0000, 0.0000,
0.0000

166.4602,

170.0113, 193.0838

204.7903,
209.5759, 237.3472

■ 20.7291, 20.5443,
24.3456

■ 20.7291, 20.5443,
24.3456

■ 19.0447, 17.4346,
22.9850

■ 22.6420, 24.1044,
25.8018

■ 17.5780, 14.7544,
21.7154

■ 24.7902, 28.1292,
27.3551

■ 16.3200, 12.4855,
20.5341

■ 27.1824, 32.6357,
29.0090

■ 15.2602, 10.6071,
19.4373

■ 29.8262, 37.6393,
30.7659

■ 14.3874, 9.0967,
18.4212

■ 32.7290, 43.1546,
32.6286

■ 13.6891, 7.9293,
17.4815

■ 35.8979, 49.1958,
34.5995

■ 13.1512, 7.0771,
16.6134

■ 39.3397, 55.7763,
36.6809

■ 12.7577, 6.5076,
15.8114

■ 43.0608, 62.9092,
38.8752

■ 12.4708, 6.1457,
15.0628

■ 47.0677, 70.6070,
41.1846

Harmonies

Analogous

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



20.2200, 20.5443, 25.8904



20.7291, 20.5443, 24.3456



20.9143, 20.5443, 22.3452

Triad

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



20.7291, 20.5443, 24.3456



19.5183, 20.5443, 18.7063



18.3799, 20.5443, 24.3897

Complementary

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



20.7291, 20.5443, 24.3456



20.0524, 22.3684, 22.3305

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.



18.2019, 20.5443, 22.3933



20.7291, 20.5443, 24.3456



18.8495, 20.5443, 19.1827

Square

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



20.7291, 20.5443, 24.3456



20.2052, 20.5443, 19.1610



18.3718, 20.5443, 20.5029



18.8637, 20.5443, 25.9170

Rectangle

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



20.7291, 20.5443, 24.3456



20.8258, 20.5443, 21.0455



18.3718, 20.5443, 20.5029



18.2828, 20.5443, 23.7474

Sweetspot

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



20.7297, 20.5452, 24.3460



39.2047, 40.6621, 45.2005



19.4821, 19.8862, 25.0021



8.8436, 9.1816, 10.1917



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.7297, 20.5452, 24.3460



36.4998, 35.6386, 43.1079



20.3775, 20.4043, 22.4913



4.8225, 4.7487, 5.6778



11.8360, 5.7987, 14.2405



0.0433, 0.0210, 0.0617

Inverse Universe

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



20.7297, 20.5452, 24.3460



36.4998, 35.6386, 43.1079



20.3989, 22.5070, 24.1549



4.8225, 4.7487, 5.6778



11.8360, 5.7987, 14.2405



0.0433, 0.0210, 0.0617

Previews

White Background



This preview shows how the XYZ color 20.7291, 20.5443, 24.3456 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 20.7291, 20.5443, 24.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

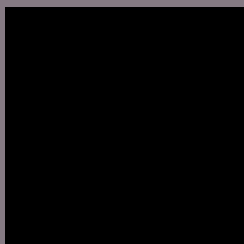
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

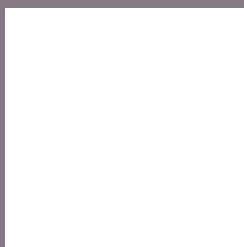
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7291, 20.5443, 24.3456

Background



This preview shows how black text looks on a background with the XYZ color 20.7291, 20.5443, 24.3456.



This preview shows how white text looks on a background with the XYZ color 20.7291, 20.5443,

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

20.7291, 20.5443, 24.3456

Protanopia

19.8300, 20.4412, 24.7302

Deuteranopia

20.9258, 20.4643, 24.3198



Tritanopia

20.7973, 20.5716, 24.7044

Trichromacy



Original Color

20.7291, 20.5443, 24.3456

Protanomaly

20.1499, 20.4211, 24.7094

Deuteranomaly

20.7656, 20.3818, 24.3123

Tritanomaly

20.7973, 20.5716, 24.7044

Monochromacy



Original Color

20.7291, 20.5443, 24.3456

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.2832, 20.8929, 23.3858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7291, 20.5443, 24.3456 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(133, 122, 131)` looks like.

```
.text, #text, p{  
  color:rgb(133, 122, 131)  
}
```

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(133, 122, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 122, 131) }
```

Border

The CSS property to change the border of an element to XYZ 20.7291, 20.5443, 24.3456 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(133, 122, 131) }
```


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

```
.border{ border-color:rgb(133, 122, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 122, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 122, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 122, 131);  
box-shadow:4px 4px 4px 4px rgb(133, 122,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7291, 20.5443, 24.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 122, 131) }
```

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

```
.background{ background-color: rgb(133,  
122, 131) }
```

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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