

Converting Colors

XYZ(20.6743, 24.3455, 14.1162)

Have a look what the booklet for
XYZ(20.6743, 24.3455, 14.1162)
contains.

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Color

**XYZ(20.7585, 24.3896,
14.2032)**

Conversions

Conversions Part 1

Format	Color
Hex	838C5E
RGB	131, 140, 94
RGB Percent	51%, 55%, 37%
CMY	0.4863, 0.4510, 0.6314
CMYK	0.06, 0.00, 0.33, 0.45
HSL	72°, 20%, 46%
HSV	72°, 33%, 55%
XYZ	20.7585, 24.3896, 14.2032
YIQ	132.0650, 9.4020, -16.2140

Conversions

Conversions Part 2

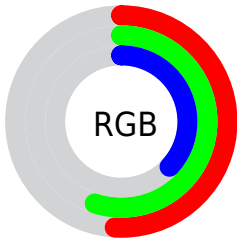
Format	Color
R_{YB}	94, 140, 103
Decimal	8621150
CIE _{Lab}	56.48, -11.29, 23.53
CIE _{LCh}	56, 26.094, 115.630
Yxy	24.3896, 0.3498, 0.4109
Android (android.graphics.Color)	4286811230 (0xFF838C5E)
YUV	132.0650, -18.7660, -0.9340
Hunter-Lab	49.3858, -11.3957, 17.5185

Details

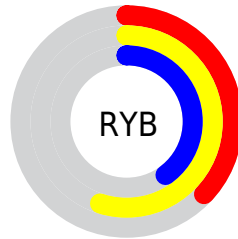
The XYZ color **20.7585, 24.3896, 14.2032** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.3308, 12.7830, 26.5244**, and the grayscale version is **22.0193, 23.1660, 25.2278**.

A 20% lighter version of the original color is **44.4102, 50.9422, 34.2802**, and **7.5626, 9.2669, 4.0794** is the 20% darker color. If you saturate the color by 10%, you get **19.7678, 23.9458, 11.1697**, and if you desaturate by 10%, it is **21.8756, 24.8870, 17.8385**.

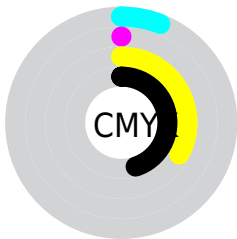
Distribution



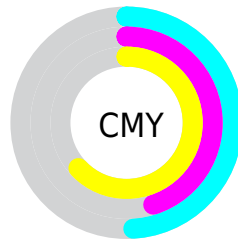
- Red (51%)
- Green (55%)
- Blue (37%)



- Red (37%)
- Yellow (55%)
- Blue (40%)



- Cyan (6%)
- Magenta (0%)
- Yellow (33%)
- Black (45%)



- Cyan (49%)
- Magenta (45%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7585, 24.3896, 14.2032 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 20.7585, 24.3896, 14.2032 by changing the saturation by 10% instead.

■ 20.7585, 24.3896,
14.2032

■ 20.7585, 24.3896,
14.2032

248.7483,
274.7843, 229.9635

■ 13.0590, 15.6229,
8.1218

■ 44.1796, 50.6652,
34.1714

■ 7.5465, 9.2577,
4.0841

■ 60.6319, 68.9429,
48.8953

■ 3.8555, 4.9096,
1.6716

■ 80.7326, 91.1597,
67.3371

■ 1.6207, 2.1943,
0.3411

■ 104.8469,
117.7000, 89.9154

■ 0.4059, 0.7169,
0.0000

133.3403,
148.9483, 117.0486

■ 0.0000, 0.0000,
0.0000

166.5781,

185.2888, 149.1553

204.9257,
227.1060, 186.6541

■ 20.7585, 24.3896,
14.2032

■ 20.7585, 24.3896,
14.2032

■ 19.7678, 23.9458,
11.1697

■ 21.8756, 24.8870,
17.8385

■ 18.8955, 23.5498,
8.7040

■ 23.1231, 25.4370,
22.1041

■ 18.1353, 23.1999,
6.7710

■ 24.5070, 26.0428,
27.0285

■ 17.4796, 22.8930,
5.3312

■ 26.0324, 26.7066,
32.6381

■ 16.9199, 22.6258,
4.3396

■ 27.7041, 27.4303,
38.9578

■ 16.4458, 22.3941,
3.7429

■ 29.5267, 28.2156,
46.0112

■ 16.1376, 22.2416,
3.4425

■ 31.5045, 29.0644,
53.8209

■ 33.6417, 29.9783,
62.4084

■ 35.9423, 30.9589,
71.7946

Harmonies

Analogous

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



23.6270, 24.3896, 13.1820



20.7585, 24.3896, 14.2032



18.7097, 24.3896, 18.2278

Triad

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



20.7585, 24.3896, 14.2032



20.0544, 24.3896, 42.7913



29.4696, 24.3896, 27.8440

Complementary

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



20.7585, 24.3896, 14.2032



14.3308, 12.7830, 26.5244

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.



28.3147, 24.3896, 37.0989



20.7585, 24.3896, 14.2032



22.7418, 24.3896, 46.8383

Square

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



20.7585, 24.3896, 14.2032



18.3286, 24.3896, 34.4222



25.7862, 24.3896, 44.5573



28.8234, 24.3896, 19.9902

Rectangle

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



20.7585, 24.3896, 14.2032



17.9973, 24.3896, 22.6375



25.7862, 24.3896, 44.5573



29.2766, 24.3896, 30.9027

Sweetspot

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



20.7591, 24.3907, 14.2037



41.3870, 45.1172, 41.1517



17.6305, 15.9724, 12.7437



9.4689, 10.3664, 9.2440



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.



20.7591, 24.3907, 14.2037



35.3576, 42.4441, 21.2069



17.6528, 22.7893, 14.0583



5.3368, 5.7964, 5.3899



14.3540, 19.7697, 3.0594



0.1067, 0.1372, 0.0209

Inverse Universe

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



14.3308, 12.7830, 26.5244



22.3190, 18.8899, 46.2127



17.2580, 14.2921, 26.6614



4.8602, 4.9363, 6.3025



4.6308, 1.9014, 22.1686



0.0404, 0.0176, 0.1477

Previews

White Background



This preview shows how the XYZ color 20.7585, 24.3896, 14.2032 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 20.7585, 24.3896, 14.2032 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

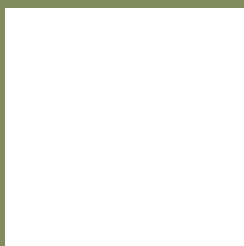
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7585, 24.3896, 14.2032

Background



This preview shows how black text looks on a background with the XYZ color 20.7585, 24.3896, 14.2032.



This preview shows how white text looks on a background with the XYZ color 20.7585, 24.3896,

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

20.7585, 24.3896, 14.2032

Protanopia

22.4498, 24.2116, 13.6153

Deuteranopia

24.7919, 24.3869, 14.4668



Tritanopia

24.0404, 24.4671, 29.8411

Trichromacy



Original Color

20.7585, 24.3896, 14.2032

Protanomaly

21.9059, 24.3444, 13.9003

Deuteranomaly

23.1683, 24.3604, 14.3074

Tritanomaly

22.5617, 24.2656, 23.2333

Monochromacy



Original Color

20.7585, 24.3896, 14.2032

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.4497, 23.5415, 20.5530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7585, 24.3896, 14.2032 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(131, 140, 94)` looks like.

```
.text, #text, p{  
    color:rgb(131, 140, 94)  
}
```

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(131, 140, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 140, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.7585, 24.3896, 14.2032 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(131, 140, 94) }
```


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

```
.border{ border-color:rgb(131, 140, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 140, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 140, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 140, 94);  
box-shadow:4px 4px 4px 4px rgb(131, 140,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7585, 24.3896, 14.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 140, 94) }
```

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

```
.background{ background-color: rgb(131,  
140, 94) }
```

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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