

Converting Colors

XYZ(20.8535, 20.0404, 25.0394)

Have a look what the booklet for
XYZ(20.8535, 20.0404, 25.0394)
contains.

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Color

**XYZ(20.8221, 20.0380,
24.9606)**

Conversions

Conversions Part 1

Format	Color
Hex	877785
RGB	135, 119, 133
RGB Percent	53%, 47%, 52%
CMY	0.4706, 0.5333, 0.4784
CMYK	0.00, 0.12, 0.01, 0.47
HSL	308°, 6%, 50%
HSV	308°, 12%, 53%
XYZ	20.8221, 20.0380, 24.9606
YIQ	125.3800, 5.0420, 7.7460

Conversions

Conversions Part 2

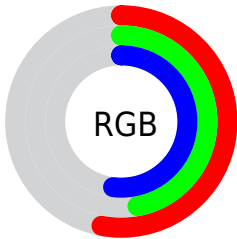
Format	Color
R_{YB}	135, 119, 133
Decimal	8877957
CIE Lab	51.88, 8.83, -5.37
CIE LCh	52, 10.333, 328.694
Yxy	20.0380, 0.3163, 0.3044
Android (android.graphics.Color)	4287068037 (0xFF877785)
YUV	125.3800, 3.7567, 8.4367
Hunter-Lab	44.7638, 4.6934, -1.7258

Details

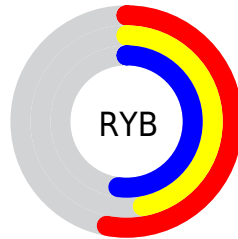
The XYZ color **20.8221, 20.0380, 24.9606** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7236, 22.6308, 21.4188**, and the grayscale version is **19.6081, 20.6292, 22.4652**.

A 20% lighter version of the original color is **44.1649, 43.3624, 52.4964**, and **7.5998, 7.0779, 9.3531** is the 20% darker color. If you saturate the color by 10%, you get **19.2128, 17.0041, 23.8537**, and if you desaturate by 10%, it is **22.6627, 23.5308, 26.1543**.

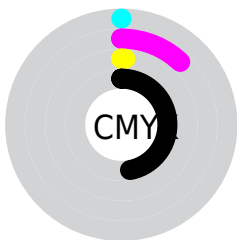
Distribution



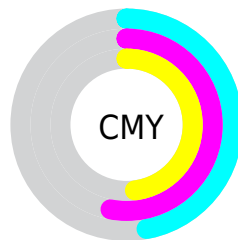
- Red (53%)
- Green (47%)
- Blue (52%)



- Red (53%)
- Yellow (47%)
- Blue (52%)



- Cyan (0%)
- Magenta (12%)
- Yellow (1%)
- Black (47%)



- Cyan (47%)
- Magenta (53%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8221, 20.0380, 24.9606 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 20.8221, 20.0380, 24.9606 by changing the saturation by 10% instead.

■ 20.8221, 20.0380,
24.9606

■ 20.8221, 20.0380,
24.9606

249.0812,
252.1208, 291.0831

■ 13.1057, 12.4227,
15.8289

■ 44.2848, 43.4809,
52.5566

■ 7.5789, 7.0322,
9.2502

■ 60.7618, 60.0772,
71.8581

■ 3.8762, 3.4823,
4.8057

■ 80.8898, 80.4360,
95.3866

■ 1.6324, 1.3884,
2.0770

105.0341,
104.9417, 123.5606

■ 0.4134, 0.2081,
0.6020

133.5600,
133.9786, 156.7987

■ 0.0000, 0.0000,
0.0000

166.8329,

167.9311, 195.5195

205.2182,
207.1837, 240.1414

■ 20.8221, 20.0380,
24.9606

■ 20.8221, 20.0380,
24.9606

■ 19.2128, 17.0041,
23.8537

■ 22.6627, 23.5308,
26.1543

■ 17.8234, 14.4075,
22.8292

■ 24.7419, 27.4981,
27.4365

■ 16.6443, 12.2284,
21.8838

■ 27.0687, 31.9576,
28.8106

■ 15.6643, 10.4447,
21.0140

■ 29.6513, 36.9256,
30.2793

■ 14.8715, 9.0323,
20.2157

■ 32.4974, 42.4175,
31.8453

■ 14.2523, 7.9643,
19.4842

■ 35.6144, 48.4482,
33.5111

■ 13.7916, 7.2102,
18.8145

■ 39.0094, 55.0318,
35.2790

■ 13.4714, 6.7343,
18.2006

■ 42.6893, 62.1821,
37.1514

■ 13.2692, 6.4619,
17.7265

■ 46.6606, 69.9123,
39.1305

Harmonies

Analogous

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



20.0309, 20.0380, 27.2899



20.8221, 20.0380, 24.9606



21.1349, 20.0380, 21.9500

Triad

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



20.8221, 20.0380, 24.9606



19.0915, 20.0380, 16.5355



17.3298, 20.0380, 24.7119

Complementary

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



20.8221, 20.0380, 24.9606



19.7236, 22.6308, 21.4188

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.



17.0986, 20.0380, 21.6865



20.8221, 20.0380, 24.9606



18.0930, 20.0380, 17.1312

Square

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



20.8221, 20.0380, 24.9606



20.1134, 20.0380, 17.2436



17.3730, 20.0380, 18.9509



18.0162, 20.0380, 27.1373

Rectangle

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



20.8221, 20.0380, 24.9606



21.0215, 20.0380, 20.0177



17.3730, 20.0380, 18.9509



17.1974, 20.0380, 23.7231

Sweetspot

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



20.8227, 20.0389, 24.9610



39.8096, 40.6654, 46.3446



18.8373, 18.9993, 25.5963



9.1659, 9.3159, 10.6986



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.8227, 20.0389, 24.9610



36.5412, 34.4718, 44.1975



20.2993, 19.8295, 22.2051



4.8335, 4.7531, 5.7356



12.2391, 5.9600, 16.3634



0.0441, 0.0213, 0.0659

Inverse Universe

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



20.8227, 20.0389, 24.9610



36.5412, 34.4718, 44.1975



20.2260, 22.8318, 24.0640



4.8335, 4.7531, 5.7356



12.2391, 5.9600, 16.3634



0.0441, 0.0213, 0.0659

Previews

White Background



This preview shows how the XYZ color 20.8221, 20.0380, 24.9606 looks on a white background.

Color Contrast Check

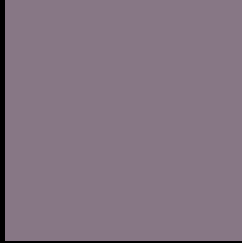
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8221, 20.0380, 24.9606 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 20.8221, 20.0380, 24.9606

Background



This preview shows how black text looks on a background with the XYZ color 20.8221, 20.0380, 24.9606.

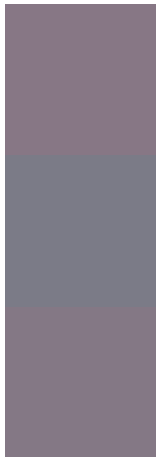


This preview shows how white text looks on a background with the XYZ color 20.8221, 20.0380,

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

20.8221, 20.0380, 24.9606

Protanopia

19.6245, 20.1261, 25.7721

Deuteranopia

20.4658, 20.0319, 24.9782



Tritanopia

20.5104, 20.0863, 23.5649

Trichromacy



Original Color

20.8221, 20.0380, 24.9606

Protanomaly

20.0150, 20.1523, 25.3891

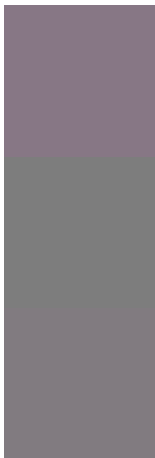
Deuteranomaly

20.6230, 20.1129, 24.9855

Tritanomaly

20.5773, 20.1130, 23.9167

Monochromacy



Original Color

20.8221, 20.0380, 24.9606

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.0325, 20.3916, 23.3022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8221, 20.0380, 24.9606 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(135, 119, 133)` looks like.

```
.text, #text, p{  
    color:rgb(135, 119, 133)  
}
```

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(135, 119, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 119, 133) }
```

Border

The CSS property to change the border of an element to XYZ 20.8221, 20.0380, 24.9606 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(135, 119, 133) }
```


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

```
.border{ border-color:rgb(135, 119, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 119, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 119, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 119, 133);  
box-shadow:4px 4px 4px 4px rgb(135, 119,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8221, 20.0380, 24.9606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 119, 133) }
```

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

```
.background{ background-color: rgb(135,  
119, 133) }
```

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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