

Converting Colors

XYZ(20.3274, 20.6370, 21.7554)

Have a look what the booklet for
XYZ(20.3274, 20.6370, 21.7554)
contains.

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Color

**XYZ(20.3310, 20.5825,
21.6402)**

Conversions

Conversions Part 1

Format	Color
Hex	857B7B
RGB	133, 123, 123
RGB Percent	52%, 48%, 48%
CMY	0.4784, 0.5176, 0.5176
CMYK	0.00, 0.08, 0.08, 0.48
HSL	0°, 4%, 50%
HSV	0°, 8%, 52%
XYZ	20.3310, 20.5825, 21.6402
YIQ	125.9900, 5.9600, 2.1200

Conversions

Conversions Part 2

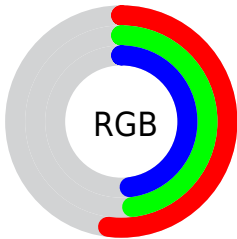
Format	Color
R_{YB}	133, 123, 123
Decimal	8747899
CIE Lab	52.49, 3.81, 1.37
CIE LCh	52, 4.052, 19.753
Yxy	20.5825, 0.3250, 0.3290
Android (android.graphics.Color)	4286937979 (0xFF857B7B)
YUV	125.9900, -1.4741, 6.1478
Hunter-Lab	45.3679, 0.5984, 3.4766

Details

The XYZ color **20.3310, 20.5825, 21.6402** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.7896, 22.6793, 25.4724**, and the grayscale version is **19.8317, 20.8645, 22.7214**.

A 20% lighter version of the original color is **43.3175, 44.1942, 46.8047**, and **7.2521, 7.2310, 7.4921** is the 20% darker color. If you saturate the color by 10%, you get **18.0155, 17.1944, 17.0360**, and if you desaturate by 10%, it is **22.9849, 24.4658, 26.9159**.

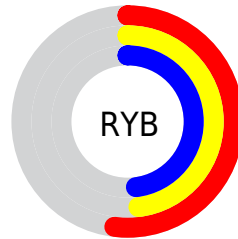
Distribution



Red (52%)

Green (48%)

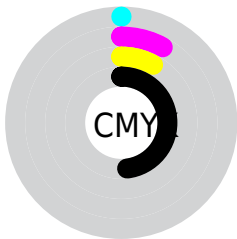
Blue (48%)



Red (52%)

Yellow (48%)

Blue (48%)

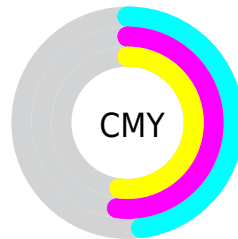


Cyan (0%)

Magenta (8%)

Yellow (8%)

Black (48%)



Cyan (48%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3310, 20.5825, 21.6402 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 20.3310, 20.5825, 21.6402 by changing the saturation by 10% instead.

■ 20.3310, 20.5825,
21.6402

■ 20.3310, 20.5825,
21.6402

246.5010,
255.0513, 273.5534

■ 12.7455, 12.8192,
13.3970

■ 43.4712, 44.3917,
47.0451

■ 7.3293, 7.3041,
7.5685

■ 59.7566, 61.2063,
65.0439

■ 3.7171, 3.6530,
3.7363

■ 79.6727, 81.8068,
87.1317

■ 1.5433, 1.4814,
1.4818

103.5848,
106.5775, 113.7269

■ 0.3550, 0.2756,
0.2043

131.8584,
135.9030, 145.2482

■ 0.0000, 0.0000,
0.0000

164.8587,

170.1675, 182.1140

202.9511,
209.7555, 224.7429

■ 20.3310, 20.5825,
21.6402

■ 20.3310, 20.5825,
21.6402

■ 18.0155, 17.1944,
17.0360

■ 22.9849, 24.4658,
26.9159

■ 16.0231, 14.2790,
13.0750

■ 25.9882, 28.8604,
32.8870

■ 14.3400, 11.8162,
9.7290

■ 29.3536, 33.7846,
39.5780

■ 12.9507, 9.7834,
6.9672

■ 33.0925, 39.2554,
47.0118

■ 11.8385, 8.1557,
4.7562

■ 37.2160, 45.2889,
55.2102

■ 10.9846, 6.9062,
3.0589

■ 41.7346, 51.9004,
64.1942

■ 10.3684, 6.0044,
1.8341

■ 46.6584, 59.1048,
73.9839

■ 9.9658, 5.4152,
1.0340

■ 51.9971, 66.9164,
84.5988

■ 9.7272, 5.0661,
0.5599

■ 57.7603, 75.3490,
96.0577

Harmonies

Analogous

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



20.3665, 20.5825, 22.8238



20.3310, 20.5825, 21.6402



20.0881, 20.5825, 20.6958

Triad

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



20.3310, 20.5825, 21.6402



18.9546, 20.5825, 20.9532



19.4201, 20.5825, 24.7585

Complementary

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



20.3310, 20.5825, 21.6402



20.7896, 22.6793, 25.4724

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.



19.0472, 20.5825, 24.2182



20.3310, 20.5825, 21.6402



18.7810, 20.5825, 22.0029

Square

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



20.3310, 20.5825, 21.6402



19.2921, 20.5825, 20.3090



18.8147, 20.5825, 23.1996



19.8365, 20.5825, 24.6529

Rectangle

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



20.3310, 20.5825, 21.6402



19.8431, 20.5825, 20.3154



18.8147, 20.5825, 23.1996



19.2856, 20.5825, 24.6456

Sweetspot

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



20.3316, 20.5834, 21.6406



38.9336, 40.5538, 43.7721



20.9898, 20.8463, 25.1081



8.7867, 9.1589, 9.8920



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.



20.3316, 20.5834, 21.6406



35.6683, 35.7760, 37.2804



20.9675, 21.8553, 21.8526



4.6726, 4.6889, 4.8881



9.2139, 4.7504, 0.4313



0.0319, 0.0165, 0.0015

Inverse Universe

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



20.7896, 22.6793, 25.4724



36.6614, 40.3204, 45.5888



20.1215, 21.3431, 25.2498



4.8016, 5.2787, 5.9666



12.0183, 17.5845, 23.8974



0.0416, 0.0609, 0.0828

Previews

White Background



This preview shows how the XYZ color 20.3310, 20.5825, 21.6402 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 20.3310, 20.5825, 21.6402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

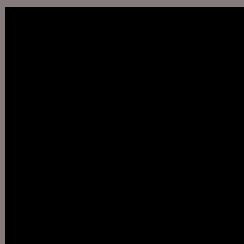
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3310, 20.5825, 21.6402

Background



This preview shows how black text looks on a background with the XYZ color 20.3310, 20.5825, 21.6402.



This preview shows how white text looks on a background with the XYZ color 20.3310, 20.5825,

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

20.3310, 20.5825, 21.6402

Protanopia

19.8738, 20.7117, 22.0191

Deuteranopia

20.8938, 20.5081, 21.5961



Tritanopia

20.8878, 20.6261, 24.3531

Trichromacy



Original Color

20.3310, 20.5825, 21.6402

Protanomaly

20.0517, 20.6164, 21.9913

Deuteranomaly

20.6880, 20.5834, 21.6215

Tritanomaly

20.6873, 20.5459, 23.2975

Monochromacy



Original Color

20.3310, 20.5825, 21.6402

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0885, 20.8150, 22.3610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3310, 20.5825, 21.6402 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, 123, 123)` looks like.

```
.text, #text, p{  
    color:rgb(133, 123, 123)  
}
```

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, 123, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 123, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.3310, 20.5825, 21.6402 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, 123, 123) }
```


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

```
.border{ border-color:rgb(133, 123, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 123, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 123, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 123, 123); box-shadow:4px 4px 4px 4px rgb(133, 123, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3310, 20.5825, 21.6402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 123, 123) }
```

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

```
.background{ background-color: rgb(133,  
123, 123) }
```

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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