

Converting Colors

XYZ(20.8376, 21.3091, 20.0388)

Have a look what the booklet for
XYZ(20.8376, 21.3091, 20.0388)
contains.

XYZ(20.7570, 21.2095, 20.1394)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.7570, 21.2095,
20.1394)**

Conversions

Conversions Part 1

Format	Color
Hex	887D76
RGB	136, 125, 118
RGB Percent	53%, 49%, 46%
CMY	0.4667, 0.5098, 0.5373
CMYK	0.00, 0.08, 0.13, 0.47
HSL	23°, 7%, 50%
HSV	23°, 13%, 53%
XYZ	20.7570, 21.2095, 20.1394
YIQ	127.4910, 8.8030, 0.1550

Conversions

Conversions Part 2

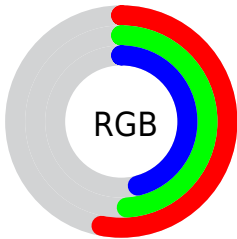
Format	Color
R_{YB}	136, 129, 118
Decimal	8945014
CIE _{Lab}	53.18, 2.92, 5.32
CIE _{LCh}	53, 6.068, 61.238
Yxy	21.2095, 0.3342, 0.3415
Android (android.graphics.Color)	4287135094 (0xFF887D76)
YUV	127.4910, -4.6791, 7.4624
Hunter-Lab	46.0538, -0.1420, 6.3100

Details

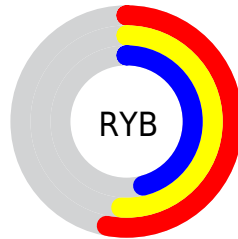
The XYZ color **20.7570, 21.2095, 20.1394** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7654, 21.3293, 26.3680**, and the grayscale version is **20.3558, 21.4159, 23.3219**.

A 20% lighter version of the original color is **44.1624, 45.5619, 44.4969**, and **7.5277, 7.5895, 6.8625** is the 20% darker color. If you saturate the color by 10%, you get **18.9983, 18.8934, 15.8492**, and if you desaturate by 10%, it is **22.7215, 23.7501, 25.0736**.

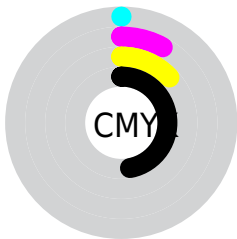
Distribution



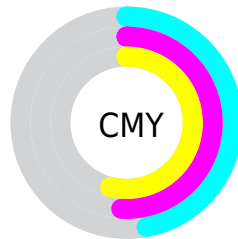
- Red (53%)
- Green (49%)
- Blue (46%)



- Red (53%)
- Yellow (51%)
- Blue (46%)



- Cyan (0%)
- Magenta (8%)
- Yellow (13%)
- Black (47%)



- Cyan (47%)
- Magenta (51%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7570, 21.2095, 20.1394 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 20.7570, 21.2095, 20.1394 by changing the saturation by 10% instead.

■ 20.7570, 21.2095,
20.1394

■ 20.7570, 21.2095,
20.1394

248.7405,
258.3898, 265.2979

■ 13.0579, 13.2772,
12.3113

■ 44.1771, 45.4359,
44.5128

■ 7.5457, 7.6197,
6.8310

■ 60.6288, 62.4989,
61.8952

■ 3.8550, 3.8526,
3.2798

■ 80.7289, 83.3742,
83.2995

■ 1.6204, 1.5915,
1.2392

104.8425,
108.4462, 109.1442

■ 0.4057, 0.3518,
0.0112

133.3351,
138.0994, 139.8479

■ 0.0000, 0.0000,
0.0000

166.5721,

172.7182, 175.8290

204.9188,
212.6868, 217.5062

■ 20.7570, 21.2095,
20.1394

■ 20.7570, 21.2095,
20.1394

■ 18.9983, 18.8934,
15.8492

■ 22.7215, 23.7501,
25.0736

■ 17.4365, 16.7927,
12.1749

■ 24.8966, 26.5185,
30.6759

■ 16.0646, 14.9019,
9.0881

■ 27.2896, 29.5213,
36.9704

■ 14.8745, 13.2139,
6.5577

■ 29.9063, 32.7641,
43.9800

■ 13.8576, 11.7213,
4.5498

■ 32.7528, 36.2522,
51.7262

■ 13.0042, 10.4164,
3.0265

■ 35.8347, 39.9908,
60.2300

■ 12.3037, 9.2906,
1.9450

■ 39.1574, 43.9849,
69.5111

■ 11.7438, 8.3343,
1.2539

■ 42.7262, 48.2394,
79.5888

■ 11.4224, 7.7722,
0.8982

■ 46.5462, 52.7591,
90.4815

Harmonies

Analogous

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



21.2297, 21.2095, 21.3134



20.7570, 21.2095, 20.1394



20.1324, 21.2095, 19.7458

Triad

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



20.7570, 21.2095, 20.1394



18.9534, 21.2095, 23.1698



20.8040, 21.2095, 26.2403

Complementary

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



20.7570, 21.2095, 20.1394



19.7654, 21.3293, 26.3680

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.



20.1856, 21.2095, 26.7997



20.7570, 21.2095, 20.1394



19.1249, 21.2095, 24.9701

Square

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



20.7570, 21.2095, 20.1394



19.0992, 21.2095, 21.4387



19.5726, 21.2095, 26.3233



21.2573, 21.2095, 24.8314

Rectangle

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



20.7570, 21.2095, 20.1394



19.7164, 21.2095, 19.9615



19.5726, 21.2095, 26.3233



20.6081, 21.2095, 26.5371

Sweetspot

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



20.7576, 21.2104, 20.1399



39.7324, 41.4575, 43.4008



20.6012, 19.7791, 23.5360



9.1449, 9.5282, 9.9073



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.



20.7576, 21.2104, 20.1399



35.5777, 36.0664, 33.0196



21.9349, 23.5651, 20.5323



5.1821, 5.3469, 5.3113



10.8194, 7.3732, 0.8529



0.0854, 0.0760, 0.0102

Inverse Universe

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



19.7654, 21.3293, 26.3680



33.4625, 36.3192, 46.2950



18.6440, 19.0865, 25.9942



5.0122, 5.3673, 6.3777



7.1495, 7.5694, 23.1299



0.0618, 0.0788, 0.1584

Previews

White Background



This preview shows how the XYZ color 20.7570, 21.2095, 20.1394 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 20.7570, 21.2095, 20.1394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

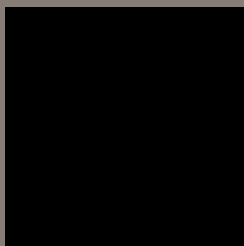
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7570, 21.2095, 20.1394

Background



This preview shows how black text looks on a background with the XYZ color 20.7570, 21.2095, 20.1394.



This preview shows how white text looks on a background with the XYZ color 20.7570, 21.2095,

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

20.7570, 21.2095, 20.1394

Protanopia

20.2792, 21.3359, 20.5022

Deuteranopia

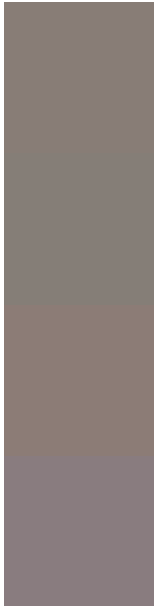
21.5083, 21.2247, 20.1027



Tritanopia

21.7290, 21.2351, 24.7833

Trichromacy



Original Color

20.7570, 21.2095, 20.1394

Protanomaly

20.4635, 21.2402, 20.4740

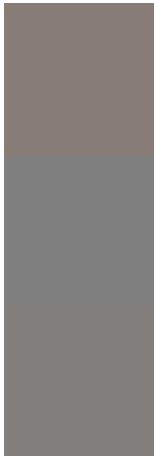
Deuteranomaly

21.2929, 21.2988, 20.1284

Tritanomaly

21.3549, 21.2660, 23.0579

Monochromacy



Original Color

20.7570, 21.2095, 20.1394

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.3049, 21.1228, 22.0757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7570, 21.2095, 20.1394 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(136, 125, 118)` looks like.

```
.text, #text, p{  
    color:rgb(136, 125, 118)  
}
```

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(136, 125, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 125, 118) }
```

Border

The CSS property to change the border of an element to XYZ 20.7570, 21.2095, 20.1394 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(136, 125, 118) }
```


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

```
.border{ border-color:rgb(136, 125, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 125, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 125, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 125, 118);  
box-shadow:4px 4px 4px 4px rgb(136, 125,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7570, 21.2095, 20.1394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 125, 118) }
```

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

```
.background{ background-color: rgb(136,  
125, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor