

Converting Colors

XYZ(20.3807, 20.0215, 22.0013)

Have a look what the booklet for
XYZ(20.3807, 20.0215, 22.0013)
contains.

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Color

**XYZ(20.3462, 20.0391,
21.8643)**

Conversions

Conversions Part 1

Format	Color
Hex	87787C
RGB	135, 120, 124
RGB Percent	53%, 47%, 49%
CMY	0.4706, 0.5294, 0.5137
CMYK	0.00, 0.11, 0.08, 0.47
HSL	344°, 6%, 50%
HSV	344°, 11%, 53%
XYZ	20.3462, 20.0391, 21.8643
YIQ	124.9410, 7.6560, 4.4240

Conversions

Conversions Part 2

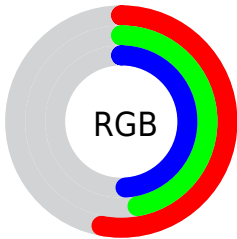
Format	Color
R_{YB}	135, 120, 124
Decimal	8878204
CIE Lab	51.88, 6.51, -0.08
CIE LCh	52, 6.510, 359.290
Yxy	20.0391, 0.3268, 0.3219
Android (android.graphics.Color)	4287068284 (0xFF87787C)
YUV	124.9410, -0.4639, 8.8217
Hunter-Lab	44.7651, 2.7913, 2.3769

Details

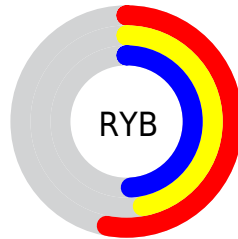
The XYZ color **20.3462, 20.0391, 21.8643** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.5072, 22.9602, 24.8248**, and the grayscale version is **19.4733, 20.4874, 22.3108**.

A 20% lighter version of the original color is **43.3280, 43.3310, 47.1544**, and **7.3337, 7.0740, 7.6355** is the 20% darker color. If you saturate the color by 10%, you get **18.2407, 16.7802, 18.2266**, and if you desaturate by 10%, it is **22.7447, 23.7827, 25.9104**.

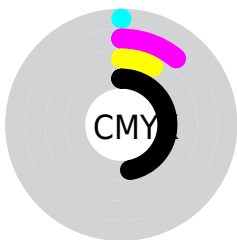
Distribution



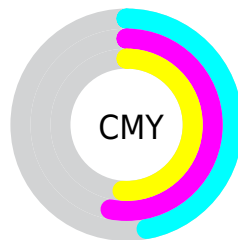
- Red (53%)
- Green (47%)
- Blue (49%)



- Red (53%)
- Yellow (47%)
- Blue (49%)



- Cyan (0%)
- Magenta (11%)
- Yellow (8%)
- Black (47%)



- Cyan (47%)
- Magenta (53%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3462, 20.0391, 21.8643 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 20.3462, 20.0391, 21.8643 by changing the saturation by 10% instead.

■ 20.3462, 20.0391,
21.8643

■ 20.3462, 20.0391,
21.8643

246.5812,
252.1267, 274.7671

■ 12.7567, 12.4235,
13.5599

■ 43.4964, 43.4827,
47.4209

■ 7.3370, 7.0328,
7.6799

■ 59.7877, 60.0795,
65.5102

■ 3.7220, 3.4826,
3.8060

■ 79.7104, 80.4388,
87.6981

■ 1.5461, 1.3886,
1.5195

103.6298,
104.9450, 114.4033

■ 0.3569, 0.2083,
0.2324

131.9112,
133.9825, 146.0443

■ 0.0000, 0.0000,
0.0000

164.9200,

167.9357, 183.0395

203.0215,
207.1890, 225.8076

■ 20.3462, 20.0391,
21.8643

■ 20.3462, 20.0391,
21.8643

■ 18.2407, 16.7802,
18.2266

■ 22.7447, 23.7827,
25.9104

■ 16.4151, 13.9837,
14.9832

■ 25.4451, 28.0271,
30.3759

■ 14.8578, 11.6293,
12.1208

■ 28.4583, 32.7908,
35.2731

■ 13.5558, 9.6940,
9.6252

■ 31.7940, 38.0907,
40.6132

■ 12.4950, 8.1532,
7.4809

■ 35.4614, 43.9426,
46.4071

■ 11.6596, 6.9791,
5.6715

■ 39.4694, 50.3620,
52.6653

■ 11.0323, 6.1408,
4.1791

■ 43.8267, 57.3638,
59.3981

■ 10.5928, 5.6018,
2.9840

■ 48.5414, 64.9619,
66.6151

■ 10.3099, 5.2782,
2.1430

■ 53.6215, 73.1703,
74.3260

Harmonies

Analogous

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



20.1606, 20.0391, 23.7318



20.3462, 20.0391, 21.8643



20.1769, 20.0391, 20.0860

Triad

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



20.3462, 20.0391, 21.8643



18.4314, 20.0391, 18.7954



18.4047, 20.0391, 25.1014

Complementary

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



20.3462, 20.0391, 21.8643



20.5072, 22.9602, 24.8248

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.



17.9592, 20.0391, 23.6493



20.3462, 20.0391, 21.8643



17.9744, 20.0391, 20.0122

Square

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



20.3462, 20.0391, 21.8643



19.0623, 20.0391, 18.3774



17.8035, 20.0391, 21.7741



19.0308, 20.0391, 25.6659

Rectangle

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



20.3462, 20.0391, 21.8643



19.8878, 20.0391, 19.1741



17.8035, 20.0391, 21.7741



18.2294, 20.0391, 24.6969

Sweetspot

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



20.3468, 20.0400, 21.8647



39.8481, 41.2077, 44.9229



20.4504, 20.0085, 25.7060



9.1514, 9.4229, 10.2746



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.



20.3468, 20.0400, 21.8647



35.5700, 34.5410, 37.6720



20.5276, 20.7981, 20.7029



4.7198, 4.7076, 5.1368



9.5120, 4.8691, 2.0025



0.0356, 0.0179, 0.0211

Inverse Universe

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



20.3468, 20.0400, 21.8647



35.5700, 34.5410, 37.6720



20.3032, 22.1101, 26.1194



4.7198, 4.7076, 5.1368



9.5120, 4.8691, 2.0025



0.0356, 0.0179, 0.0211

Previews

White Background



This preview shows how the XYZ color 20.3462, 20.0391, 21.8643 looks on a white background.

Color Contrast Check

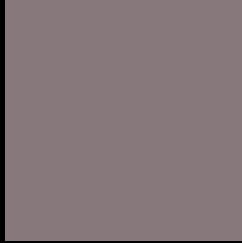
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3462, 20.0391, 21.8643 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 20.3462, 20.0391, 21.8643

Background



This preview shows how black text looks on a background with the XYZ color 20.3462, 20.0391, 21.8643.



This preview shows how white text looks on a background with the XYZ color 20.3462, 20.0391,

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

20.3462, 20.0391, 21.8643

Protanopia

19.3063, 20.0322, 22.5877

Deuteranopia

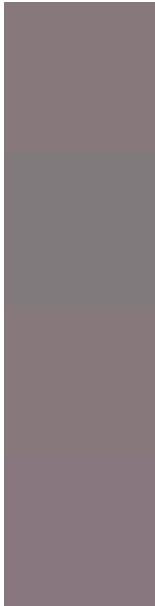
20.3462, 20.0391, 21.8643



Tritanopia

20.7126, 20.0129, 23.5401

Trichromacy



Original Color

20.3462, 20.0391, 21.8643

Protanomaly

19.7145, 20.0669, 22.2363

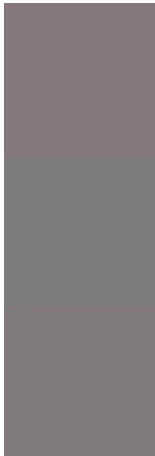
Deuteranomaly

20.3462, 20.0391, 21.8643

Tritanomaly

20.5809, 19.9602, 22.8466

Monochromacy



Original Color

20.3462, 20.0391, 21.8643

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8379, 20.3137, 22.2774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3462, 20.0391, 21.8643 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, 120, 124)` looks like.

```
.text, #text, p{  
    color:rgb(135, 120, 124)  
}
```

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, 120, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 120, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.3462, 20.0391, 21.8643 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, 120, 124) }
```


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

```
.border{ border-color:rgb(135, 120, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 120, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 120, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 120, 124);  
box-shadow:4px 4px 4px 4px rgb(135, 120,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3462, 20.0391, 21.8643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 120, 124) }
```

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

```
.background{ background-color: rgb(135,  
120, 124) }
```

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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