

Converting Colors

XYZ(21.3681, 22.7505, 21.6633)

Have a look what the booklet for
XYZ(21.3681, 22.7505, 21.6633)
contains.

XYZ(21.3020, 22.6243, 21.6565)	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(21.3020, 22.6243,
21.6565)**

Conversions

Conversions Part 1

Format	Color
Hex	85837A
RGB	133, 131, 122
RGB Percent	52%, 51%, 48%
CMY	0.4784, 0.4863, 0.5216
CMYK	0.00, 0.02, 0.08, 0.48
HSL	49°, 4%, 50%
HSV	49°, 8%, 52%
XYZ	21.3020, 22.6243, 21.6565
YIQ	130.5720, 4.0810, -2.3750

Conversions

Conversions Part 2

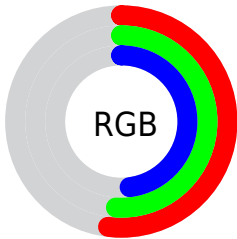
Format	Color
R_{YB}	124, 133, 122
Decimal	8749946
CIE Lab	54.68, -0.96, 5.12
CIE LCh	55, 5.211, 100.568
Yxy	22.6243, 0.3248, 0.3450
Android (android.graphics.Color)	4286940026 (0xFF85837A)
YUV	130.5720, -4.2260, 2.1294
Hunter-Lab	47.5650, -3.2975, 6.3006

Details

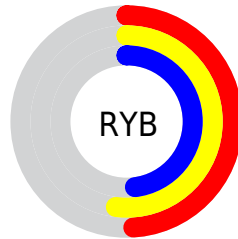
The XYZ color **21.3020, 22.6243, 21.6565** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.4672, 20.2459, 25.0723**, and the grayscale version is **21.4350, 22.5512, 24.5583**.

A 20% lighter version of the original color is **45.0302, 47.7761, 46.8928**, and **7.7872, 8.3546, 7.5055** is the 20% darker color. If you saturate the color by 10%, you get **20.2134, 21.6767, 17.5024**, and if you desaturate by 10%, it is **22.5122, 23.6341, 26.4082**.

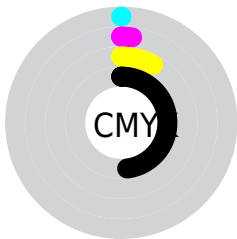
Distribution



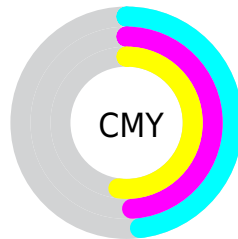
- Red (52%)
- Green (51%)
- Blue (48%)



- Red (49%)
- Yellow (52%)
- Blue (48%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (48%)



- Cyan (48%)
- Magenta (49%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3020, 22.6243, 21.6565 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 21.3020, 22.6243, 21.6565 by changing the saturation by 10% instead.

■ 21.3020, 22.6243,
21.6565

■ 21.3020, 22.6243,
21.6565

251.5806,
265.7894, 273.6419

■ 13.4587, 14.3163,
13.4088

■ 45.0771, 47.7757,
47.0725

■ 7.8243, 8.3410,
7.5766

■ 61.7396, 65.3879,
65.0779

■ 4.0336, 4.3139,
3.7414

■ 82.0725, 86.8703,
87.1729

■ 1.7212, 1.8507,
1.4846

106.4411,
112.6074, 113.7762

■ 0.4695, 0.5185,
0.2064

135.2109,
142.9834, 145.3062

■ 0.0000, 0.0000,
0.0000

168.7472,

178.3828, 182.1814

207.4153,
219.1900, 224.8205

■ 21.3020, 22.6243,
21.6565

■ 21.3020, 22.6243,
21.6565

■ 20.2134, 21.6767,
17.5024

■ 22.5122, 23.6341,
26.4082

■ 19.2399, 20.7864,
13.9204

■ 23.8466, 24.7051,
31.7787

■ 18.3773, 19.9524,
10.8854

■ 25.3098, 25.8398,
37.7899

■ 17.6203, 19.1725,
8.3698

■ 26.9057, 27.0399,
44.4622

■ 16.9631, 18.4443,
6.3437

■ 28.6382, 28.3071,
51.8151

■ 16.3994, 17.7651,
4.7740

■ 30.5108, 29.6428,
59.8673

■ 15.9222, 17.1322,
3.6236

■ 32.5269, 31.0485,
68.6368

■ 15.5231, 16.5420,
2.8495

■ 34.6900, 32.5256,
78.1409

■ 15.1832, 15.9869,
2.3516

■ 37.0031, 34.0755,
88.3964

Harmonies

Analogous

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



21.8729, 22.6243, 21.7727



21.3020, 22.6243, 21.6565



20.7941, 22.6243, 22.3108

Triad

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



21.3020, 22.6243, 21.6565



20.6764, 22.6243, 26.7467



22.5611, 22.6243, 25.7003

Complementary

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



21.3020, 22.6243, 21.6565



19.4672, 20.2459, 25.0723

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.



22.2293, 22.6243, 27.1132



21.3020, 22.6243, 21.6565



21.1387, 22.6243, 27.7356

Square

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



21.3020, 22.6243, 21.6565



20.4372, 22.6243, 25.2181



21.7067, 22.6243, 27.8727



22.6067, 22.6243, 24.0590

Rectangle

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



21.3020, 22.6243, 21.6565



20.5570, 22.6243, 23.1137



21.7067, 22.6243, 27.8727



22.4790, 22.6243, 26.2196

Sweetspot

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



21.3026, 22.6253, 21.6570



39.4710, 41.6288, 43.9513



20.2718, 20.3615, 21.9363



8.8995, 9.3844, 9.9296



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.



21.3026, 22.6253, 21.6570



37.7500, 40.1762, 37.2443



21.0326, 22.8881, 21.7220



4.9698, 5.2831, 4.9872



14.4130, 15.1486, 2.1643



0.0546, 0.0618, 0.0090

Inverse Universe

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



19.4672, 20.2459, 25.0723



33.7375, 34.9745, 44.7110



19.7216, 20.0093, 25.0132



4.4979, 4.6713, 5.8653



4.3513, 2.2504, 21.3417



0.0190, 0.0156, 0.0752

Previews

White Background



This preview shows how the XYZ color 21.3020, 22.6243, 21.6565 looks on a white background.

Color Contrast Check

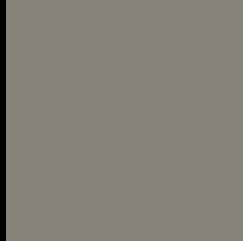
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3020, 22.6243, 21.6565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

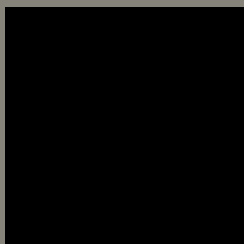
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

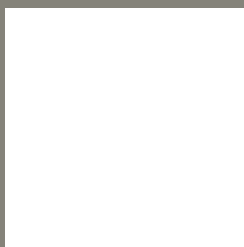
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3020, 22.6243, 21.6565

Background



This preview shows how black text looks on a background with the XYZ color 21.3020, 22.6243, 21.6565.



This preview shows how white text looks on a background with the XYZ color 21.3020, 22.6243,

21.6565.

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

21.3020, 22.6243, 21.6565

Protanopia

21.4872, 22.5213, 21.6269

Deuteranopia

22.8901, 22.4628, 21.8682



Tritanopia

22.5021, 22.7155, 27.6246

Trichromacy



Original Color

21.3020, 22.6243, 21.6565

Protanomaly

21.3270, 22.4387, 21.6194

Deuteranomaly

22.2788, 22.5311, 21.9136

Tritanomaly

22.0478, 22.7271, 25.4150

Monochromacy



Original Color

21.3020, 22.6243, 21.6565

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.5283, 22.6966, 23.6683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3020, 22.6243, 21.6565 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, 131, 122)` looks like.

```
.text, #text, p{  
    color:rgb(133, 131, 122)  
}
```

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, 131, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 131, 122) }
```

Border

The CSS property to change the border of an element to XYZ 21.3020, 22.6243, 21.6565 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, 131, 122) }
```


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

```
.border{ border-color:rgb(133, 131, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 131, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 131, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 131, 122);  
box-shadow:4px 4px 4px 4px rgb(133, 131,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3020, 22.6243, 21.6565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 131, 122) }
```

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

```
.background{ background-color: rgb(133,  
131, 122) }
```

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