

Converting Colors

XYZ(20.9367, 22.5889, 23.3113)

Have a look what the booklet for
XYZ(20.9367, 22.5889, 23.3113)
contains.

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Color

**XYZ(20.9841, 22.6240,
23.3396)**

Conversions

Conversions Part 1

Format	Color
Hex	80847F
RGB	128, 132, 127
RGB Percent	50%, 52%, 50%
CMY	0.4980, 0.4823, 0.5020
CMYK	0.03, 0.00, 0.04, 0.48
HSL	108°, 2%, 51%
HSV	108°, 4%, 52%
XYZ	20.9841, 22.6240, 23.3396
YIQ	130.2340, -0.7790, -2.4030

Conversions

Conversions Part 2

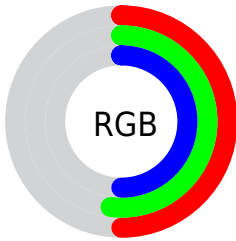
Format	Color
R_{YB}	127, 132, 131
Decimal	8422527
CIE _{Lab}	54.68, -2.47, 2.17
CIE _{LCh}	55, 3.292, 138.697
Yxy	22.6240, 0.3134, 0.3379
Android (android.graphics.Color)	4286612607 (0xFF80847F)
YUV	130.2340, -1.5944, -1.9592
Hunter-Lab	47.5647, -4.4894, 4.2022

Details

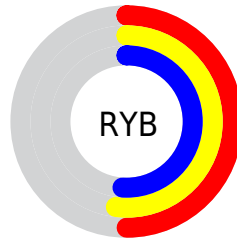
The XYZ color **20.9841, 22.6240, 23.3396** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.1152, 21.6706, 24.9009**, and the grayscale version is **21.3071, 22.4167, 24.4118**.

A 20% lighter version of the original color is **44.6432, 47.8170, 50.0567**, and **7.6929, 8.3988, 8.4234** is the 20% darker color. If you saturate the color by 10%, you get **18.6728, 21.5261, 19.0310**, and if you desaturate by 10%, it is **23.5748, 23.8542, 28.2507**.

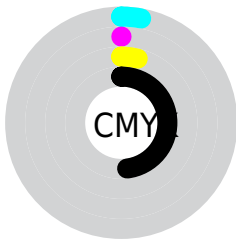
Distribution



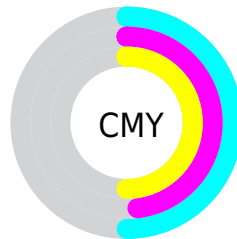
- Red (50%)
- Green (52%)
- Blue (50%)



- Red (50%)
- Yellow (52%)
- Blue (51%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (48%)



- Cyan (50%)
- Magenta (48%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9841, 22.6240, 23.3396 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 20.9841, 22.6240, 23.3396 by changing the saturation by 10% instead.

■ 20.9841, 22.6240,
23.3396

■ 20.9841, 22.6240,
23.3396

249.9273,
265.7879, 282.6427

■ 13.2248, 14.3161,
14.6368

■ 44.5525, 47.7752,
49.8806

■ 7.6616, 8.3409,
8.4211

■ 61.0924, 65.3873,
68.5559

■ 3.9291, 4.3138,
4.2740

■ 81.2898, 86.8696,
91.3924

■ 1.6621, 1.8506,
1.7768

105.5100,
112.6065, 118.8087

■ 0.4324, 0.5184,
0.4126

134.1186,
142.9824, 151.2234

■ 0.0000, 0.0000,
0.0000

167.4807,

178.3816, 189.0549

205.9618,
219.1887, 232.7218

■ 20.9841, 22.6240,
23.3396

■ 20.9841, 22.6240,
23.3396

■ 18.6728, 21.5261,
19.0310

■ 23.5748, 23.8542,
28.2507

■ 16.6297, 20.5533,
15.3002

■ 26.4520, 25.2179,
33.7846

■ 14.8454, 19.7019,
12.1232

■ 29.6248, 26.7201,
39.9627

■ 13.3094, 18.9672,
9.4735

■ 33.1013, 28.3645,
46.8048

■ 12.0105, 18.3438,
7.3225

■ 36.8895, 30.1548,
54.3298

■ 10.9365, 17.8263,
5.6390

■ 40.9970, 32.0944,
62.5560

■ 10.0740, 17.4084,
4.3883

■ 45.4309, 34.1868,
71.5008

■ 9.4083, 17.0836,
3.5306

■ 50.1983, 36.4351,
81.1812

■ 8.9219, 16.8437,
3.0164

■ 55.3062, 38.8427,
91.6135

Harmonies

Analogous

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



21.2808, 22.6240, 22.7910



20.9841, 22.6240, 23.3396



20.8272, 22.6240, 24.2446

Triad

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



20.9841, 22.6240, 23.3396



21.3671, 22.6240, 26.6433



22.1704, 22.6240, 23.9994

Complementary

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



20.9841, 22.6240, 23.3396



21.1152, 21.6706, 24.9009

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.



22.1941, 22.6240, 25.0270



20.9841, 22.6240, 23.3396



21.7276, 22.6240, 26.5731

Square

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



20.9841, 22.6240, 23.3396



21.0467, 22.6240, 26.1638



22.0313, 22.6240, 25.9748



21.9667, 22.6240, 23.1644

Rectangle

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



20.9841, 22.6240, 23.3396



20.8218, 22.6240, 24.9368



22.0313, 22.6240, 25.9748



22.1998, 22.6240, 24.3331

Sweetspot

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



20.9847, 22.6250, 23.3401



38.1753, 40.4276, 43.3971



21.4637, 22.6715, 23.3238



8.8953, 9.4158, 10.1175



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.



20.9847, 22.6250, 23.3401



36.3964, 39.5829, 40.0479



20.9336, 22.5873, 23.8521



4.9015, 5.3435, 5.3770



8.4151, 16.1981, 2.6830



0.0341, 0.0586, 0.0095

Inverse Universe

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



21.1152, 21.6706, 24.9009



36.7038, 37.3345, 43.7249



21.1688, 21.7101, 24.3711



4.9460, 5.0184, 5.9087



9.7484, 4.5596, 21.5030



0.0395, 0.0188, 0.0748

Previews

White Background



This preview shows how the XYZ color 20.9841, 22.6240, 23.3396 looks on a white background.

Color Contrast Check

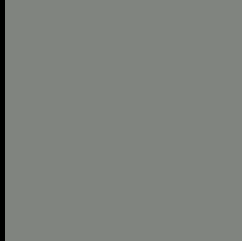
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9841, 22.6240, 23.3396 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

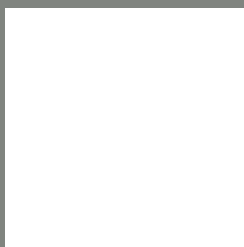
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9841, 22.6240, 23.3396

Background



This preview shows how black text looks on a background with the XYZ color 20.9841, 22.6240, 23.3396.



This preview shows how white text looks on a background with the XYZ color 20.9841, 22.6240,

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

20.9841, 22.6240, 23.3396

Protanopia

21.5800, 22.5400, 22.9519

Deuteranopia

22.8587, 22.4095, 23.5428



Tritanopia

21.9222, 22.6045, 28.0186

Trichromacy



Original Color

20.9841, 22.6240, 23.3396

Protanomaly

21.3979, 22.6445, 22.9817

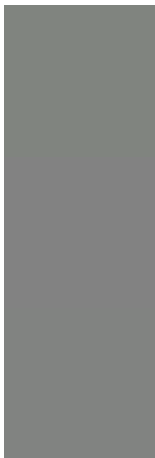
Deuteranomaly

22.0967, 22.4001, 23.5811

Tritanomaly

21.5427, 22.6490, 26.1579

Monochromacy



Original Color

20.9841, 22.6240, 23.3396

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1320, 22.4847, 23.9951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9841, 22.6240, 23.3396 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(128, 132, 127)` looks like.

```
.text, #text, p{  
    color:rgb(128, 132, 127)  
}
```

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(128, 132, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 132, 127) }
```

Border

The CSS property to change the border of an element to XYZ 20.9841, 22.6240, 23.3396 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(128, 132, 127) }
```


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

```
.border{ border-color:rgb(128, 132, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 132, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 132, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 132, 127);  
box-shadow:4px 4px 4px 4px rgb(128, 132,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9841, 22.6240, 23.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 132, 127) }
```

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

```
.background{ background-color: rgb(128,  
132, 127) }
```

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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