

Converting Colors

XYZ(21.0376, 22.1749, 23.5938)

Have a look what the booklet for
XYZ(21.0376, 22.1749, 23.5938)
contains.

XYZ(21.0848, 22.2696, 23.6092)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(21.0848, 22.2696,
23.6092)**

Conversions

Conversions Part 1

Format	Color
Hex	828280
RGB	130, 130, 128
RGB Percent	51%, 51%, 50%
CMY	0.4902, 0.4902, 0.4980
CMYK	0.00, 0.00, 0.02, 0.49
HSL	60°, 1%, 51%
HSV	60°, 2%, 51%
XYZ	21.0848, 22.2696, 23.6092
YIQ	129.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

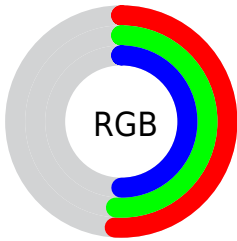
Format	Color
R _Y B	128, 130, 128
Decimal	8553088
CIE Lab	54.31, -0.39, 1.07
CIE LCh	54, 1.143, 110.002
Yxy	22.2696, 0.3149, 0.3326
Android (android.graphics.Color)	4286743168 (0xFF828280)
YUV	129.7720, -0.8736, 0.2000
Hunter-Lab	47.1907, -2.8299, 3.3711

Details

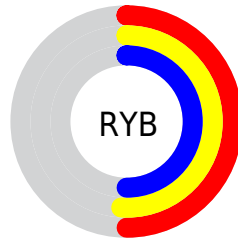
The XYZ color **21.0848, 22.2696, 23.6092** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.6514, 21.6398, 24.2087**, and the grayscale version is **21.1409, 22.2419, 24.2214**.

A 20% lighter version of the original color is **44.8024, 47.2704, 50.4788**, and **7.7471, 8.1987, 8.5713** is the 20% darker color. If you saturate the color by 10%, you get **20.2809, 21.9484, 19.3874**, and if you desaturate by 10%, it is **21.9996, 22.6365, 28.4095**.

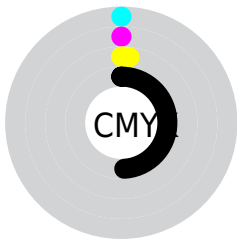
Distribution



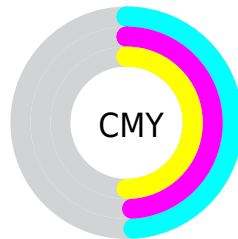
- Red (51%)
- Green (51%)
- Blue (50%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (49%)



- Cyan (49%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0848, 22.2696, 23.6092 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 21.0848, 22.2696, 23.6092 by changing the saturation by 10% instead.

■ 21.0848, 22.2696,
23.6092

■ 21.0848, 22.2696,
23.6092

250.4520,
263.9510, 284.0614

■ 13.2988, 14.0551,
14.8345

■ 44.7188, 47.1912,
50.3275

■ 7.7130, 8.1590,
8.5580

■ 61.2976, 64.6671,
69.1082

■ 3.9621, 4.1969,
4.3611

■ 81.5380, 85.9989,
92.0613

■ 1.6807, 1.7843,
1.8255

105.8054,
111.5711, 119.6053

■ 0.4442, 0.4774,
0.4447

134.4651,
141.7680, 152.1587

■ 0.0000, 0.0000,
0.0000

167.8826,

176.9740, 190.1402

206.4231,
217.5735, 233.9682

■ 21.0848, 22.2696,
23.6092

■ 21.0848, 22.2696,
23.6092

■ 20.2809, 21.9484,
19.3874

■ 21.9996, 22.6365,
28.4095

■ 19.5820, 21.6686,
15.7208

■ 23.0273, 23.0480,
33.8075

■ 18.9842, 21.4291,
12.5868

■ 24.1724, 23.5063,
39.8232

■ 18.4828, 21.2283,
9.9607

■ 25.4383, 24.0130,
46.4754

■ 18.0728, 21.0639,
7.8157

■ 26.8285, 24.5694,
53.7819

■ 17.7486, 20.9340,
6.1227

■ 28.3462, 25.1767,
61.7599

■ 17.5041, 20.8359,
4.8493

■ 29.9946, 25.8364,
70.4260

■ 17.3324, 20.7668,
3.9589

■ 31.7767, 26.5496,
79.7963

■ 17.2252, 20.7237,
3.4087

■ 33.6954, 27.3174,
89.8861

Harmonies

Analogous

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



21.2082, 22.2696, 23.5788



21.0848, 22.2696, 23.6092



20.9837, 22.2696, 23.8098

Triad

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



21.0848, 22.2696, 23.6092



21.0131, 22.2696, 24.7769



21.4032, 22.2696, 24.3670

Complementary

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



21.0848, 22.2696, 23.6092



20.6514, 21.6398, 24.2087

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.



21.3505, 22.2696, 24.6912



21.0848, 22.2696, 23.6092



21.1250, 22.2696, 24.9293

Square

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



21.0848, 22.2696, 23.6092



20.9424, 22.2696, 24.4831



21.2486, 22.2696, 24.8978



21.3924, 22.2696, 24.0140

Rectangle

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



21.0848, 22.2696, 23.6092



20.9424, 22.2696, 24.0141



21.2486, 22.2696, 24.8978



21.3924, 22.2696, 24.4830

Sweetspot

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



21.0854, 22.2706, 23.6097



37.3664, 39.3123, 42.8111



20.8220, 21.7432, 23.5218



8.4577, 8.8982, 9.6901



62.3462, 65.5931, 71.4309

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.0854, 22.2706, 23.6097



37.0550, 39.1877, 41.1768



20.9330, 22.1920, 23.6026



4.7999, 5.0733, 5.3523



16.4554, 19.8454, 2.9633



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.6514, 21.6398, 24.2087



36.0434, 37.7176, 42.5730



20.8023, 21.7176, 24.2158



4.6835, 4.9041, 5.5130



3.8656, 1.5465, 20.3447



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 21.0848, 22.2696, 23.6092 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 21.0848, 22.2696, 23.6092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

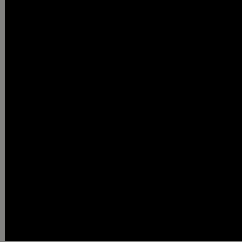
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0848, 22.2696, 23.6092

Background



This preview shows how black text looks on a background with the XYZ color 21.0848, 22.2696, 23.6092.



This preview shows how white text looks on a background with the XYZ color 21.0848, 22.2696,

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

21.0848, 22.2696, 23.6092

Protanopia

21.4194, 22.2456, 23.5870

Deuteranopia

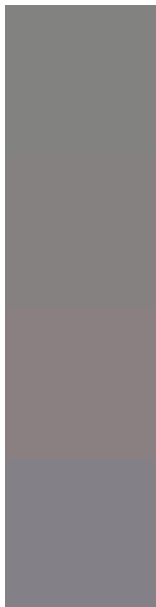
22.7510, 22.3463, 23.8830



Tritanopia

21.8951, 22.2080, 27.5587

Trichromacy



Original Color

21.0848, 22.2696, 23.6092

Protanomaly

21.2623, 22.1646, 23.5796

Deuteranomaly

22.0331, 22.1670, 23.8863

Tritanomaly

21.5835, 22.2751, 26.0836

Monochromacy



Original Color

21.0848, 22.2696, 23.6092

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1510, 22.2961, 23.9577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0848, 22.2696, 23.6092 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(130, 130, 128)` looks like.

```
.text, #text, p{  
    color:rgb(130, 130, 128)  
}
```

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(130, 130, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 130, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.0848, 22.2696, 23.6092 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(130, 130, 128) }
```

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

```
.border{ border-color:rgb(130, 130, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 130, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 130, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 130, 128);  
box-shadow:4px 4px 4px 4px rgb(130, 130,  
128) }
```


Background

The CSS property to change the background color of an element to XYZ 21.0848, 22.2696, 23.6092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 130, 128) }
```

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

```
.background{ background-color: rgb(130,  
130, 128) }
```

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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