

Converting Colors

XYZ(20.1796, 21.3381, 22.4404)

Have a look what the booklet for
XYZ(20.1796, 21.3381, 22.4404)
contains.

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Color

**XYZ(20.3229, 21.5082,
22.4824)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 80807D |
| RGB | 128, 128, 125 |
| RGB Percent | 50%, 50%, 49% |
| CMY | 0.4980, 0.4980, 0.5098 |
| CMYK | 0.00, 0.00, 0.02, 0.50 |
| HSL | 60°, 1%, 50% |
| HSV | 60°, 2%, 50% |
| XYZ | 20.3229, 21.5082, 22.4824 |
| YIQ | 127.6580, 0.9630, -0.9330 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 125, 128, 125 |
| Decimal | 8421501 |
| CIE Lab | 53.50, -0.59, 1.62 |
| CIE LCh | 54, 1.722, 109.941 |
| Yxy | 21.5082, 0.3160, 0.3344 |
| Android (android.graphics.Color) | 4286611581 (0xFF80807D) |
| YUV | 127.6580, -1.3104, 0.2999 |
| Hunter-Lab | 46.3769, -2.9389, 3.7215 |

Details

The XYZ color **20.3229, 21.5082, 22.4824** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.6882, 20.5863, 23.3591**, and the grayscale version is **20.4041, 21.4667, 23.3772**.

A 20% lighter version of the original color is **43.6158, 46.0859, 48.7161**, and **7.3249, 7.7760, 7.9523** is the 20% darker color. If you saturate the color by 10%, you get **19.5559, 21.2019, 18.4495**, and if you desaturate by 10%, it is **21.1966, 21.8586, 27.0713**.

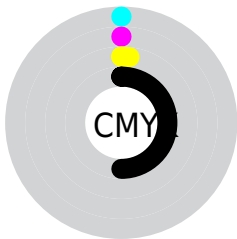
Distribution



- Red (50%)
- Green (50%)
- Blue (49%)



- Red (49%)
- Yellow (50%)
- Blue (49%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3229, 21.5082, 22.4824 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 20.3229, 21.5082, 22.4824 by changing the saturation by 10% instead.

■ 20.3229, 21.5082,
22.4824

■ 20.3229, 21.5082,
22.4824

246.4582,
259.9671, 278.0905

■ 12.7396, 13.4960,
14.0101

■ 43.4577, 45.9318,
48.4544

■ 7.3252, 7.7710,
7.9889

■ 59.7399, 63.1120,
66.7911

■ 3.7145, 3.9487,
4.0001

■ 79.6525, 84.1169,
89.2531

■ 1.5419, 1.6449,
1.6254

103.5608,
109.3310, 116.2589

■ 0.3541, 0.3876,
0.3089

131.8302,
139.1387, 148.2270

■ 0.0000, 0.0000,
0.0000

164.8260,

173.9244, 185.5759

202.9135,
214.0724, 228.7242

■ 20.3229, 21.5082,
22.4824

■ 20.3229, 21.5082,
22.4824

■ 19.5559, 21.2019,
18.4495

■ 21.1966, 21.8586,
27.0713

■ 18.8896, 20.9352,
14.9503

■ 22.1788, 22.2517,
32.2349

■ 18.3206, 20.7074,
11.9627

■ 23.2739, 22.6899,
37.9924

■ 17.8441, 20.5166,
9.4628

■ 24.4852, 23.1746,
44.3619

■ 17.4554, 20.3609,
7.4248

■ 25.8160, 23.7071,
51.3609

■ 17.1490, 20.2381,
5.8204

■ 27.2695, 24.2887,
59.0058

■ 16.9190, 20.1459,
4.6181

■ 28.8487, 24.9206,
67.3127

■ 16.7586, 20.0816,
3.7825

■ 30.5565, 25.6039,
76.2970

■ 16.6599, 20.0419,
3.2718

■ 32.3958, 26.3399,
85.9736

Harmonies

Analogous

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



20.5045, 21.5082, 22.4386



20.3229, 21.5082, 22.4824



20.1743, 21.5082, 22.7750

Triad

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



20.3229, 21.5082, 22.4824



20.2168, 21.5082, 24.2001



20.7920, 21.5082, 23.5956

Complementary

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



20.3229, 21.5082, 22.4824



19.6882, 20.5863, 23.3591

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.



20.7139, 21.5082, 24.0746



20.3229, 21.5082, 22.4824



20.3814, 21.5082, 24.4271

Square

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



20.3229, 21.5082, 22.4824



20.1133, 21.5082, 23.7648



20.5634, 21.5082, 24.3808



20.7761, 21.5082, 23.0761

Rectangle

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



20.3229, 21.5082, 22.4824



20.1135, 21.5082, 23.0742



20.5634, 21.5082, 24.3808



20.7759, 21.5082, 23.7668

Sweetspot

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



20.3235, 21.5091, 22.4829



35.9732, 37.9451, 40.5939



19.9380, 20.7376, 22.3543



8.4248, 8.8850, 9.5171



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



20.3235, 21.5091, 22.4829



35.6768, 37.8265, 39.0363



20.0997, 21.3938, 22.4724



4.7650, 5.0593, 5.1686



16.4640, 19.8499, 2.9637



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.6882, 20.5863, 23.3591



34.2201, 35.7105, 41.0455



19.9087, 20.7000, 23.3694



4.5347, 4.7247, 5.4862



3.8649, 1.5461, 20.3447



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.3229, 21.5082, 22.4824 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 20.3229, 21.5082, 22.4824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

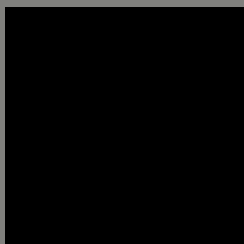
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

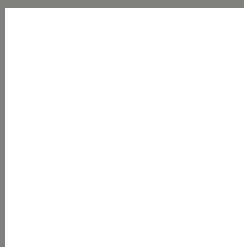
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3229, 21.5082, 22.4824

Background



This preview shows how black text looks on a background with the XYZ color 20.3229, 21.5082, 22.4824.

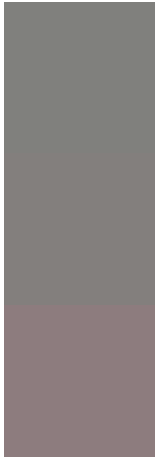


This preview shows how white text looks on a background with the XYZ color 20.3229, 21.5082,

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

20.3229, 21.5082, 22.4824

Protanopia

20.6511, 21.4847, 22.4606

Deuteranopia

21.9581, 21.5844, 22.7476



Tritanopia

21.1107, 21.4451, 26.3192

Trichromacy



Original Color

20.3229, 21.5082, 22.4824

Protanomaly

20.4970, 21.4052, 22.4534

Deuteranomaly

21.2529, 21.4078, 22.7506

Tritanomaly

20.8075, 21.5118, 24.8853

Monochromacy



Original Color

20.3229, 21.5082, 22.4824

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.4520, 21.5598, 23.1622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3229, 21.5082, 22.4824 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, 128, 125)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 125)  
}
```

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, 128, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 125) }
```

Border

The CSS property to change the border of an element to XYZ 20.3229, 21.5082, 22.4824 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, 128, 125) }
```


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

```
.border{ border-color:rgb(128, 128, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 125);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3229, 21.5082, 22.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 125) }
```

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

```
.background{ background-color: rgb(128,  
128, 125) }
```

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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