

Converting Colors

XYZ(21.6768, 22.8631, 24.7255)

Have a look what the booklet for
XYZ(21.6768, 22.8631, 24.7255)
contains.

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Color

**XYZ(21.7081, 22.9665,
24.7616)**

Conversions

Conversions Part 1

Format	Color
Hex	838483
RGB	131, 132, 131
RGB Percent	51%, 52%, 51%
CMY	0.4863, 0.4823, 0.4863
CMYK	0.01, 0.00, 0.01, 0.48
HSL	120°, 0%, 52%
HSV	120°, 1%, 52%
XYZ	21.7081, 22.9665, 24.7616
YIQ	131.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

Format	Color
R_{YB}	131, 132, 132
Decimal	8619139
CIE Lab	55.04, -0.57, 0.40
CIE LCh	55, 0.694, 144.670
Yxy	22.9665, 0.3126, 0.3308
Android (android.graphics.Color)	4286809219 (0xFF838483)
YUV	131.5870, -0.2894, -0.5148
Hunter-Lab	47.9234, -3.0098, 2.9117

Details

The XYZ color **21.7081, 22.9665, 24.7616** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7977, 22.8047, 25.0838**, and the grayscale version is **21.7852, 22.9197, 24.9596**.

A 20% lighter version of the original color is **45.7679, 48.3490, 52.2675**, and **8.0959, 8.5895, 9.2139** is the 20% darker color. If you saturate the color by 10%, you get **18.9543, 21.6444, 20.2563**, and if you desaturate by 10%, it is **24.8377, 24.4705, 29.8805**.

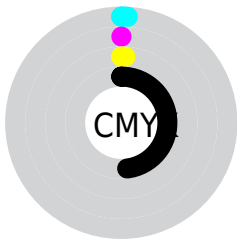
Distribution



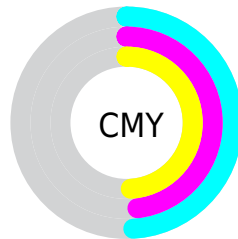
- Red (51%)
- Green (52%)
- Blue (51%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (48%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7081, 22.9665, 24.7616 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 21.7081, 22.9665, 24.7616 by changing the saturation by 10% instead.

■ 21.7081, 22.9665,
24.7616

■ 21.7081, 22.9665,
24.7616

253.6792,
267.5529, 290.0582

■ 13.7580, 14.5688,
15.6821

■ 45.7455, 48.3383,
52.2295

■ 8.0331, 8.5173,
9.1476

■ 62.5635, 66.0812,
71.4550

■ 4.1681, 4.4277,
4.7394

■ 83.0682, 87.7079,
94.8997

■ 1.7977, 1.9156,
2.0392

107.6249,
113.6029, 122.9819

■ 0.5163, 0.5577,
0.5792

136.5990,
144.1504, 156.1204

■ 0.0000, 0.0000,
0.0000

170.3559,

179.7350, 194.7335

209.2608,
220.7411, 239.2400

■ 21.7081, 22.9665,
24.7616

■ 21.7081, 22.9665,
24.7616

■ 18.9543, 21.6444,
20.2563

■ 24.8377, 24.4705,
29.8805

■ 16.5603, 20.4944,
16.3402

■ 28.3544, 26.1597,
35.6333

■ 14.5117, 19.5104,
12.9893

■ 32.2715, 28.0413,
42.0411

■ 12.7928, 18.6847,
10.1776

■ 36.6011, 30.1210,
49.1237

■ 11.3863, 18.0091,
7.8769

■ 41.3546, 32.4043,
56.8999

■ 10.2734, 17.4745,
6.0566

■ 46.5434, 34.8967,
65.3880

■ 9.4333, 17.0710,
4.6826

■ 52.1779, 37.6032,
74.6055

■ 8.8426, 16.7872,
3.7166

■ 58.2685, 40.5289,
84.5692

■ 8.4739, 16.6101,
3.1137

■ 64.8253, 43.6784,
95.2954

Harmonies

Analogous

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



21.7671, 22.9665, 24.6223



21.7081, 22.9665, 24.7616



21.6815, 22.9665, 24.9672

Triad

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



21.7081, 22.9665, 24.7616



21.8152, 22.9665, 25.4323



21.9641, 22.9665, 24.8296

Complementary

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



21.7081, 22.9665, 24.7616



21.7977, 22.8047, 25.0838

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.



21.9771, 22.9665, 25.0461



21.7081, 22.9665, 24.7616



21.8910, 22.9665, 25.3949

Square

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



21.7081, 22.9665, 24.7616



21.7432, 22.9665, 25.3550



21.9503, 22.9665, 25.2532



21.9149, 22.9665, 24.6614

Rectangle

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



21.7081, 22.9665, 24.7616



21.6857, 22.9665, 25.1144



21.9503, 22.9665, 25.2532



21.9729, 22.9665, 24.8991

Sweetspot

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



21.7087, 22.9675, 24.7621



38.6329, 40.6448, 44.2622



21.8624, 23.0434, 24.7686



8.9945, 9.4630, 10.3052



64.0503, 67.3860, 73.3833

Same Dimension

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



21.7087, 22.9675, 24.7621



38.1019, 40.3898, 43.3936



21.7416, 22.9806, 24.9354



5.1609, 5.4663, 5.8814



7.9895, 15.9787, 2.6631



0.0277, 0.0554, 0.0092

Inverse Universe

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



21.7977, 22.8047, 25.0838



38.3126, 40.0042, 44.1555



21.7646, 22.7915, 24.9096



5.1863, 5.4197, 5.9735



13.2438, 6.3616, 21.6666



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 21.7081, 22.9665, 24.7616 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 21.7081, 22.9665, 24.7616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

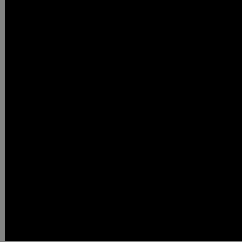
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

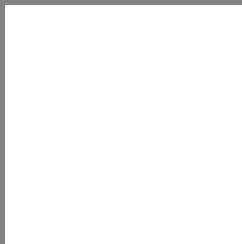
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7081, 22.9665, 24.7616

Background



This preview shows how black text looks on a background with the XYZ color 21.7081, 22.9665, 24.7616.



This preview shows how white text looks on a background with the XYZ color 21.7081, 22.9665,

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

21.7081, 22.9665, 24.7616

Protanopia

21.9771, 22.9126, 24.3834

Deuteranopia

23.2558, 22.7740, 24.9999



Tritanopia

22.4632, 22.8749, 28.4307

Trichromacy



Original Color

21.7081, 22.9665, 24.7616

Protanomaly

21.8184, 22.8309, 24.3759

Deuteranomaly

22.6626, 22.8554, 25.0469

Tritanomaly

22.1474, 22.9443, 26.9283

Monochromacy



Original Color

21.7081, 22.9665, 24.7616

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.9318, 23.0740, 25.1276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7081, 22.9665, 24.7616 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(131, 132, 131)` looks like.

```
.text, #text, p{  
    color:rgb(131, 132, 131)  
}
```

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(131, 132, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 132, 131) }
```

Border

The CSS property to change the border of an element to XYZ 21.7081, 22.9665, 24.7616 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(131, 132, 131) }
```

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

```
.border{ border-color:rgb(131, 132, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 132, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 132, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 132, 131);  
box-shadow:4px 4px 4px 4px rgb(131, 132,  
131) }
```


Background

The CSS property to change the background color of an element to XYZ 21.7081, 22.9665, 24.7616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 132, 131) }
```

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

```
.background{ background-color: rgb(131,  
132, 131) }
```

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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