

Converting Colors

XYZ(22.1717, 24.0452, 32.3150)

Have a look what the booklet for
XYZ(22.1717, 24.0452, 32.3150)
contains.

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Color

**XYZ(22.1964, 24.0864,
32.3334)**

Conversions

Conversions Part 1

Format	Color
Hex	788996
RGB	120, 137, 150
RGB Percent	47%, 54%, 59%
CMY	0.5294, 0.4627, 0.4118
CMYK	0.20, 0.09, 0.00, 0.41
HSL	206°, 12%, 53%
HSV	206°, 20%, 59%
XYZ	22.1964, 24.0864, 32.3334
YIQ	133.3990, -14.3050, 0.4390

Conversions

Conversions Part 2

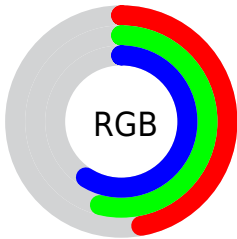
Format	Color
R_{YB}	120, 131, 150
Decimal	7899542
CIE _{Lab}	56.17, -3.19, -8.99
CIE _{LCh}	56, 9.543, 250.473
Yxy	24.0864, 0.2823, 0.3064
Android (android.graphics.Color)	4286089622 (0xFF788996)
YUV	133.3990, 8.1843, -11.7509
Hunter-Lab	49.0779, -5.1563, -4.7068

Details

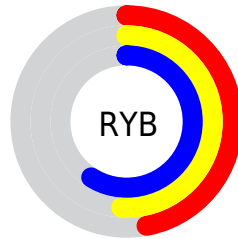
The XYZ color **22.1964, 24.0864, 32.3334** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.3556, 24.6151, 21.2373**, and the grayscale version is **22.4152, 23.5825, 25.6813**.

A 20% lighter version of the original color is **46.5461, 50.0708, 64.3381**, and **8.2589, 9.0568, 13.1172** is the 20% darker color. If you saturate the color by 10%, you get **19.3808, 21.3050, 31.9453**, and if you desaturate by 10%, it is **25.3950, 27.1491, 32.7564**.

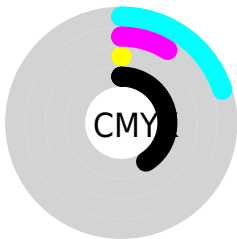
Distribution



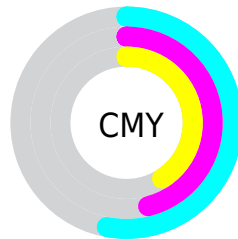
- Red (47%)
- Green (54%)
- Blue (59%)



- Red (47%)
- Yellow (51%)
- Blue (59%)



- Cyan (20%)
- Magenta (9%)
- Yellow (0%)
- Black (41%)



- Cyan (53%)
- Magenta (46%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1964, 24.0864, 32.3334 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 22.1964, 24.0864, 32.3334 by changing the saturation by 10% instead.

■ 22.1964, 24.0864,
32.3334

■ 22.1964, 24.0864,
32.3334

256.1833,
273.2570, 327.1746

■ 14.1187, 15.3977,
21.3494

■ 46.5468, 50.1712,
64.4374

■ 8.2855, 9.0990,
13.1859

■ 63.5503, 68.3360,
86.3944

■ 4.3315, 4.8058,
7.4244

■ 84.2596, 90.4284,
112.8461

■ 1.8913, 2.1338,
3.6465

109.0403,
116.8327, 144.2111

■ 0.5718, 0.6835,
1.4335

138.2577,
147.9333, 180.9079

■ 0.0000, 0.0000,
0.1676

172.2771,

■ 0.0000, 0.0000,

184.1147, 223.3551

0.0000

211.4638,
225.7611, 271.9711

■ 22.1964, 24.0864,
32.3334

■ 22.1964, 24.0864,
32.3334

■ 19.3808, 21.3050,
31.9453

■ 25.3950, 27.1491,
32.7564

■ 16.9299, 18.7923,
31.5895

■ 28.9896, 30.4993,
33.2136

■ 14.8272, 16.5387,
31.2653

■ 32.9951, 34.1468,
33.7065

■ 13.0538, 14.5330,
30.9717

■ 37.4250, 38.0998,
34.2360

■ 11.5889, 12.7630,
30.7072

■ 42.2922, 42.3662,
34.8030

■ 10.4090, 11.2150,
30.4706

■ 47.6089, 46.9538,
35.4083

■ 9.4869, 9.8731,
30.2602

■ 53.3870, 51.8697,
36.0526

■ 8.7544, 8.7006,
30.0725

■ 59.6378, 57.1212,
36.7368

■ 8.7543, 8.7005,
30.0725

■ 66.3713, 62.7145,
37.4615

Harmonies

Analogous

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



21.3279, 24.0864, 30.3404



22.1964, 24.0864, 32.3334



23.2785, 24.0864, 32.6177

Triad

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



22.1964, 24.0864, 32.3334



25.0282, 24.0864, 25.1445



21.5530, 24.0864, 21.8987

Complementary

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



22.1964, 24.0864, 32.3334



24.3556, 24.6151, 21.2373

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.



22.5126, 24.0864, 20.7291



22.1964, 24.0864, 32.3334



24.5337, 24.0864, 22.5014

Square

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



22.1964, 24.0864, 32.3334



24.9369, 24.0864, 28.2949



23.6048, 24.0864, 20.9406



20.9647, 24.0864, 24.2605

Rectangle

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



22.1964, 24.0864, 32.3334



23.9785, 24.0864, 31.7774



23.6048, 24.0864, 20.9406



21.8416, 24.0864, 21.3620

Sweetspot

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



22.1971, 24.0874, 32.3339



47.1936, 50.1449, 58.1128



22.8517, 27.4859, 26.1110



10.3801, 11.0392, 12.8685



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.1971, 24.0874, 32.3339



36.8675, 40.2519, 56.7475



20.2723, 20.2378, 31.6923



5.7558, 6.1456, 7.3526



7.2929, 7.2805, 24.9519



0.1186, 0.1478, 0.3152

Inverse Universe

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



23.8101, 21.7237, 26.6062



40.2811, 35.4423, 44.5825



26.4799, 28.8638, 21.9454



5.9302, 5.8671, 6.7385



11.8082, 5.9283, 7.7368



0.1593, 0.0785, 0.1727

Previews

White Background



This preview shows how the XYZ color 22.1964, 24.0864, 32.3334 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 22.1964, 24.0864, 32.3334 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

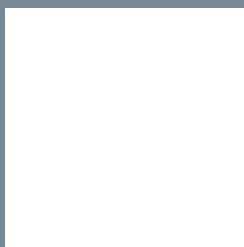
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1964, 24.0864, 32.3334

Background



This preview shows how black text looks on a background with the XYZ color 22.1964, 24.0864, 32.3334.



This preview shows how white text looks on a background with the XYZ color 22.1964, 24.0864,

32.3334.

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

22.1964, 24.0864, 32.3334

Protanopia

23.5433, 24.1749, 31.4423

Deuteranopia

24.5174, 24.0424, 32.6266



Tritanopia

22.0367, 24.0225, 31.4923

Trichromacy



Original Color

22.1964, 24.0864, 32.3334

Protanomaly

22.9909, 24.0871, 31.8713

Deuteranomaly

23.6463, 23.9960, 32.6635

Tritanomaly

22.1162, 24.0543, 31.9111

Monochromacy



Original Color

22.1964, 24.0864, 32.3334

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0874, 23.5035, 27.7986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1964, 24.0864, 32.3334 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(120, 137, 150)` looks like.

```
.text, #text, p{  
    color:rgb(120, 137, 150)  
}
```

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(120, 137, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 137, 150) }
```

Border

The CSS property to change the border of an element to XYZ 22.1964, 24.0864, 32.3334 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(120, 137, 150) }
```


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

```
.border{ border-color:rgb(120, 137, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 137, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 137, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 137, 150);  
box-shadow:4px 4px 4px 4px rgb(120, 137,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1964, 24.0864, 32.3334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 137, 150) }
```

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

```
.background{ background-color: rgb(120,  
137, 150) }
```

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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