

Converting Colors

XYZ(21.7454, 23.9629, 32.5237)

Have a look what the booklet for
XYZ(21.7454, 23.9629, 32.5237)
contains.

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Color

**XYZ(21.7960, 24.0920,
32.3556)**

Conversions

Conversions Part 1

Format	Color
Hex	748A96
RGB	116, 138, 150
RGB Percent	45%, 54%, 59%
CMY	0.5451, 0.4588, 0.4118
CMYK	0.23, 0.08, 0.00, 0.41
HSL	201°, 14%, 52%
HSV	201°, 23%, 59%
XYZ	21.7960, 24.0920, 32.3556
YIQ	132.7900, -16.9640, -0.9320

Conversions

Conversions Part 2

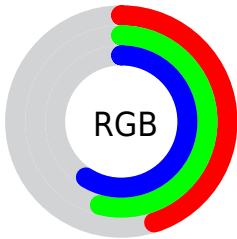
Format	Color
R_{YB}	116, 129, 150
Decimal	7637654
CIE _{Lab}	56.18, -5.08, -9.01
CIE _{LCh}	56, 10.346, 240.615
Yxy	24.0920, 0.2786, 0.3079
Android (android.graphics.Color)	4285827734 (0xFF748A96)
YUV	132.7900, 8.4845, -14.7248
Hunter-Lab	49.0836, -6.6318, -4.7251

Details

The XYZ color **21.7960, 24.0920, 32.3556** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.4495, 23.1835, 19.7625**, and the grayscale version is **22.1932, 23.3489, 25.4270**.

A 20% lighter version of the original color is **45.8921, 50.0563, 64.3698**, and **8.0566, 9.0736, 13.1311** is the 20% darker color. If you saturate the color by 10%, you get **19.2199, 21.6645, 32.0232**, and if you desaturate by 10%, it is **24.7325, 26.7615, 32.7165**.

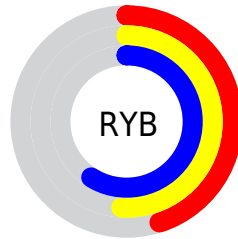
Distribution



Red (45%)

Green (54%)

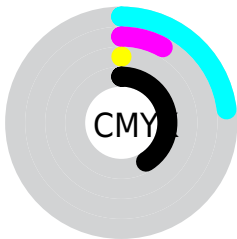
Blue (59%)



Red (45%)

Yellow (51%)

Blue (59%)

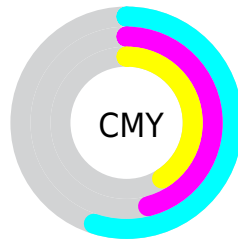


Cyan (23%)

Magenta (8%)

Yellow (0%)

Black (41%)



Cyan (55%)

Magenta (46%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7960, 24.0920, 32.3556 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 21.7960, 24.0920, 32.3556 by changing the saturation by 10% instead.

■ 21.7960, 24.0920,
32.3556

■ 21.7960, 24.0920,
32.3556

254.1315,
273.2853, 327.2785

■ 13.8228, 15.4019,
21.3662

■ 45.8900, 50.1803,
64.4725

■ 8.0784, 9.1019,
13.1981

■ 62.7415, 68.3472,
86.4371

■ 4.1974, 4.8077,
7.4328

■ 83.2832, 90.4419,
112.8972

■ 1.8144, 2.1349,
3.6517

107.8804,
116.8488, 144.2712

■ 0.5263, 0.6841,
1.4363

136.8985,
147.9521, 180.9779

■ 0.0000, 0.0000,
0.1698

170.7028,

■ 0.0000, 0.0000,

184.1364, 223.4356

0.0000

209.6587,
225.7860, 272.0629

■ 21.7960, 24.0920,
32.3556

■ 21.7960, 24.0920,
32.3556

■ 19.2199, 21.6645,
32.0232

■ 24.7325, 26.7615,
32.7165

■ 16.9862, 19.4670,
31.7168

■ 28.0422, 29.6785,
33.1051

■ 15.0784, 17.4909,
31.4359

■ 31.7398, 32.8520,
33.5228

■ 13.4775, 15.7257,
31.1796

■ 35.8387, 36.2895,
33.9702

■ 12.1627, 14.1596,
30.9466

■ 40.3513, 39.9982,
34.4482

■ 11.1102, 12.7798,
30.7357

■ 45.2898, 43.9851,
34.9575

■ 10.2918, 11.5706,
30.5455

■ 50.6658, 48.2567,
35.4987

■ 9.7859, 10.7637,
30.4164

■ 56.4902, 52.8195,
36.0724

■ 62.7737, 57.6797,
36.6793

Harmonies

Analogous

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



20.9885, 24.0920, 29.7069



21.7960, 24.0920, 32.3556



22.9232, 24.0920, 33.3330

Triad

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



21.7960, 24.0920, 32.3556



25.2598, 24.0920, 26.1620



21.7550, 24.0920, 20.9949

Complementary

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



21.7960, 24.0920, 32.3556



23.4495, 23.1835, 19.7625

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.



22.8742, 24.0920, 20.2189



21.7960, 24.0920, 32.3556



24.9215, 24.0920, 23.0394

Square

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



21.7960, 24.0920, 32.3556



24.9474, 24.0920, 29.5750



24.0380, 24.0920, 20.9345



20.9654, 24.0920, 23.1511

Rectangle

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



21.7960, 24.0920, 32.3556



23.7125, 24.0920, 32.8444



24.0380, 24.0920, 20.9345



22.1038, 24.0920, 20.5728

Sweetspot

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



21.7967, 24.0930, 32.3561



46.7924, 50.0181, 58.1095



21.9990, 27.0820, 24.4560



10.3044, 11.0271, 12.8702



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.



21.7967, 24.0930, 32.3561



36.1756, 40.3807, 56.8089



19.5576, 19.6147, 31.6098



5.7936, 6.2213, 7.3652



8.1470, 8.9888, 25.2367



0.1275, 0.1656, 0.3182

Inverse Universe

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



23.4111, 20.8104, 26.8288



39.5625, 33.7410, 45.1574



25.8406, 27.9657, 20.5596



5.9493, 5.8748, 6.8391



12.2393, 6.1008, 10.0072



0.1638, 0.0803, 0.1964

Previews

White Background



This preview shows how the XYZ color 21.7960, 24.0920, 32.3556 looks on a white background.

Color Contrast Check

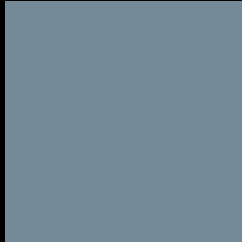
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7960, 24.0920, 32.3556 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

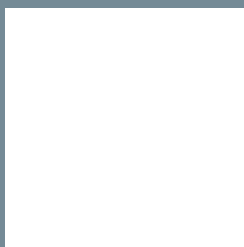
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7960, 24.0920, 32.3556

Background



This preview shows how black text looks on a background with the XYZ color 21.7960, 24.0920, 32.3556.

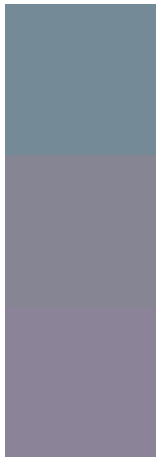


This preview shows how white text looks on a background with the XYZ color 21.7960, 24.0920,

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

21.7960, 24.0920, 32.3556

Protanopia

23.3269, 23.8682, 30.9813

Deuteranopia

24.3497, 23.9559, 32.6187



Tritanopia

21.7158, 24.0599, 31.9333

Trichromacy



Original Color

21.7960, 24.0920, 32.3556

Protanomaly

22.7617, 23.9781, 31.4455

Deuteranomaly

23.4711, 24.1099, 32.6948

Tritanomaly

21.7158, 24.0599, 31.9333

Monochromacy



Original Color

21.7960, 24.0920, 32.3556

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0766, 23.7041, 27.8379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7960, 24.0920, 32.3556 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(116, 138, 150)` looks like.

```
.text, #text, p{  
    color:rgb(116, 138, 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(116, 138, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 138, 150) }
```

Border

The CSS property to change the border of an element to XYZ 21.7960, 24.0920, 32.3556 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(116, 138, 150) }
```


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

```
.border{ border-color:rgb(116, 138, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 138, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 138, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 138, 150);  
box-shadow:4px 4px 4px 4px rgb(116, 138,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7960, 24.0920, 32.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 138, 150) }
```

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

```
.background{ background-color: rgb(116,  
138, 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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