Converting Colors

XYZ(1.0640, 0.4974, 2.3592)

Have a look what the booklet for XYZ(1.0640, 0.4974, 2.3592) contains.

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Color

XYZ(1.0632, 0.4978, 2.3255)

Conversions

Conversions Part 1

Format	Color
Hex	21002B
RGB	33, 0, 43
RGB Percent	13%, 0%, 17%
CMY	0.8706, 1.0000, 0.8314
CMYK	0.23, 1.00, 0.00, 0.83
HSL	286°, 100%, 8%
HSV	286°, 100%, 17%
XYZ	1.0632, 0.4978, 2.3255
YIQ	14.7690, 5.8650, 20.3690

Conversions

Conversions Part 2

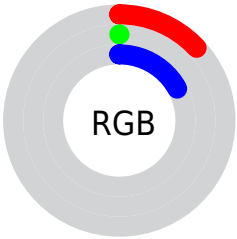
Format	Color
RYB	33, 0, 43
Decimal	2162731
CIELab	4.50, 23.48, -20.15
CIELCh	4, 30.938, 319.357
Yxy	0.4978, 0.2736, 0.1281
Android (android.graphics.Color)	4280352811 (0xFF21002B)
YUV	14.7690, 13.9179, 15.9886
Hunter-Lab	7.0555, 14.5512, -14.6032

Details

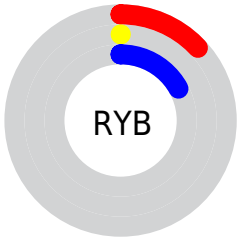
The XYZ color 1.0632, 0.4978, 2.3255 is a dark color, and the websafe version is hex 330033. A complement of this color would be 0.9891, 1.7923, 0.2940, and the grayscale version is 0.4404, 0.4633, 0.5045.

A 20% lighter version of the original color is 5.8834, 4.2177, 9.9552, and 0.0000, 0.0000, 0.0000 is the 20% darker color. If you saturate the color by 10%, you get 1.0631, 0.4977, 2.3255, and if you desaturate by 10%, it is 1.1424, 0.6079, 2.3426.

Distribution

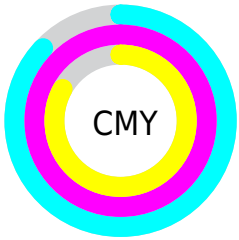


- Red (13%)
- Green (0%)
- Blue (17%)



- Red (13%)
- Yellow (0%)
- Blue (17%)

- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (83%)



- Cyan (87%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 1.0632, 0.4978, 2.3255 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 1.0632, 0.4978, 2.3255 by changing the saturation by 10% instead.

1.0632, 0.4978, 2.3255

1.0632, 0.4978, 2.3255

94.9065, 86.4316, 127.2424

0.0000, 0.0000, 0.7455

5.9050, 4.2548, 9.9130

0.0000, 0.0000, 0.0000

10.6610, 8.2492, 16.7736

17.4609, 14.1847, 26.2370

26.6701, 22.4456, 38.7215

38.6539, 33.4163, 54.6457

53.7776, 47.4813,

74.4283

72.4067, 65.0249, 98.4877

1.0632, 0.4978, 2.3255

1.0631, 0.4977, 2.3255

1.0632, 0.4978, 2.3255

1.1424, 0.6079, 2.3426

1.2225, 0.7185, 2.3597

1.3063, 0.8349, 2.3778

1.4026, 0.9750, 2.3997

1.5129, 1.1415, 2.4261

1.6378, 1.3359, 2.4570

1.7780, 1.5594, 2.4927

1.9342, 1.8132, 2.5335

2.1068, 2.0984, 2.5794

Harmonies

Analogous

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

0.7235, 0.4978, 3.6569

1.0632, 0.4978, 2.3255

1.2734, 0.4978, 0.9415

Triad

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

1.0632, 0.4978, 2.3255

0.6126, 0.4978, 0.0000

0.0000, 0.4978, 1.2900

Complementary

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

1.0632, 0.4978, 2.3255

0.9891, 1.7923, 0.2940

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.

0.0000, 0.4978, 0.1425

1.0632, 0.4978, 2.3255

0.2228, 0.4978, 0.0000

Square

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

1.0632, 0.4978, 2.3255

0.9712, 0.4978, 0.0000

0.0000, 0.4978, 0.0000

0.0000, 0.4978, 2.7689

Rectangle

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

1.0632, 0.4978, 2.3255

1.2773, 0.4978, 0.1904

0.0000, 0.4978, 0.0000

0.0000, 0.4978, 0.8937

Sweetspot

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

1.0632, 0.4978, 2.3255

2.8764, 2.4903, 4.0833

0.5450, 0.3923, 2.3325

0.8441, 0.7308, 1.1983

31.3992, 33.0344, 35.9744

1.1069, 1.1645, 1.2682

Same Dimension

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

1.0632, 0.4978, 2.3255

1.7146, 0.8012, 3.8185

1.2507, 0.6155, 1.3864

0.6390, 0.6443, 0.7713

3.7580, 1.7518, 8.5584

26.8243, 12.4607, 63.0475

Inverse Universe

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

1.0511, 0.5356, 0.3353

1.7095, 0.8728, 0.4608

0.9271, 1.7530, 0.6206

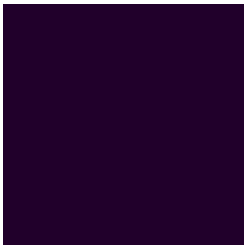
0.6350, 0.6438, 0.6995

3.7921, 1.9408, 0.8169

27.6099, 14.1688, 4.2114

Previews

White Background

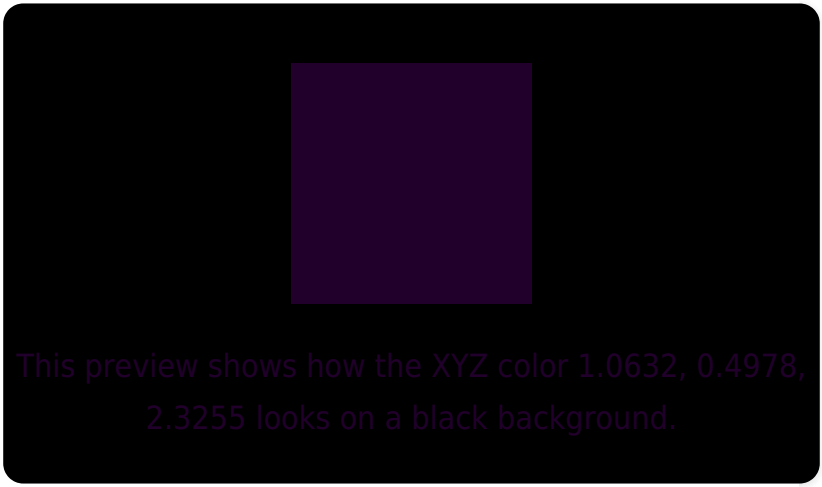


This preview shows how the XYZ color 1.0632, 0.4978, 2.3255 looks on a white background.

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 ✓ Pass

Black Background

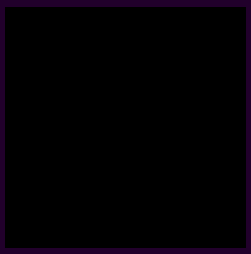


Color Contrast Check

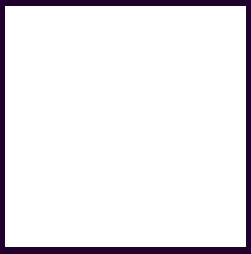
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 1.0632, 0.4978, 2.3255 Background



This preview shows how black text looks on a background with the XYZ color 1.0632, 0.4978, 2.3255.

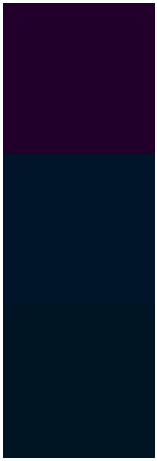


This preview shows how white text looks on a background with the XYZ color 1.0632, 0.4978, 2.3255.

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
1.0632, 0.4978, 2.3255

Protanopia
0.6681, 0.6675, 2.2841

Deuteranopia
0.5866, 0.6637, 1.7663

Tritanopia
0.8163, 0.7058, 0.6655

Trichromacy

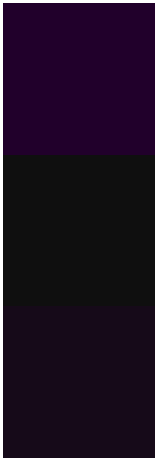
Original Color
1.0632, 0.4978, 2.3255

Protanomaly
0.7135, 0.5332, 2.2558

Deuteranomaly
0.6618, 0.5125, 1.9835

Tritanomaly
0.8529, 0.5945, 1.1067

Monochromacy



Original Color
1.0632, 0.4978, 2.3255

Achromatopsia
0.4540, 0.4777, 0.5202

Achromatomaly
0.6149, 0.4578, 0.9757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 1.0632, 0.4978, 2.3255 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(33, 0, 43) looks like.

```
.text, #text, p{
    color:rgb(33, 0, 43)
}
```

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(33, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 1.0632, 0.4978, 2.3255 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(33, 0, 43) }
```

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

```
.border{ border-color:rgb(33, 0, 43) }
```

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

Here you see how a box with a 4 pixel rgb(33, 0, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(33, 0, 43); -webkit-box-shadow:4px 4px 4px 4px rgb(33, 0, 43); box-shadow:4px 4px 4px 4px rgb(33, 0, 43) }
```

Background

The CSS property to change the background color of an element to XYZ 1.0632, 0.4978, 2.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(33, 0, 43) }
```

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

```
.background{ background-color:rgb(33, 0,
43) }
```

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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