Converting Colors

XYZ(5.8365, 8.0514, 9.6821)

Have a look what the booklet for XYZ(5.8365, 8.0514, 9.6821) contains.

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Color

XYZ(5.7831, 7.9769, 9.6224)

Conversions

Conversions Part 1

Format	Color
Hex	235854
RGB	35, 88, 84
RGB Percent	14%, 35%, 33%
CMY	0.8627, 0.6549, 0.6706
CMYK	0.60, 0.00, 0.05, 0.65
HSL	175°, 43%, 24%
HSV	175°, 60%, 35%
XYZ	5.7831, 7.9769, 9.6224
YIQ	71.6970, -30.3040, -12.4800

Conversions

Conversions Part 2

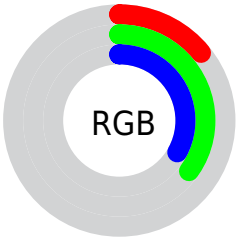
Format	Color
RYB	35, 63, 88
Decimal	2316372
CIELab	33.93, -18.58, -2.99
CIELCh	34, 18.817, 189.145
Yxy	7.9769, 0.2473, 0.3411
Android (android.graphics.Color)	4280506452 (0xFF235854)
YUV	71.6970, 6.0654, -32.1833
Hunter-Lab	28.2434, -12.8764, -0.4294

Details

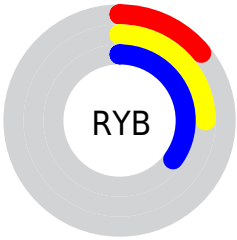
The XYZ color 5.7831, 7.9769, 9.6224 is a dark color, and the websafe version is hex 336666. A complement of this color would be 4.9920, 3.4235, 2.3174, and the grayscale version is 6.1016, 6.4193, 6.9907.

A 20% lighter version of the original color is 17.1599, 21.8488, 25.5031, and 1.1942, 1.8024, 2.2044 is the 20% darker color. If you saturate the color by 10%, you get 5.4954, 7.8318, 9.4739, and if you desaturate by 10%, it is 6.1465, 8.1614, 9.7761.

Distribution

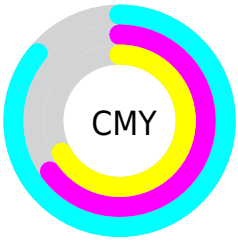


- Red (14%)
- Green (35%)
- Blue (33%)



- Red (14%)
- Yellow (25%)
- Blue (35%)

- Cyan (60%)
- Magenta (0%)
- Yellow (5%)
- Black (65%)



- Cyan (86%)
- Magenta (65%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 5.7831, 7.9769, 9.6224 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 5.7831, 7.9769, 9.6224 by changing the saturation by 10% instead.

5.7831, 7.9769, 9.6224

151.9076, 175.5507, 198.3413

17.2093, 21.9131, 25.6794

26.3362, 32.7215, 37.9981

38.2261, 46.6024, 53.7350

53.2443, 63.9404, 73.3087

71.7562, 85.1198, 97.1376

94.1271, 110.5251,

5.7831, 7.9769, 9.6224

2.7530, 4.0802, 5.0470

1.0246, 1.7185, 2.2156

0.0000, 0.4356, 0.6834

0.0000, 0.0000, 0.0000

125.6403

120.7225, 140.5406, 159.2354

5.7831, 7.9769, 9.6224

5.4954, 7.8318, 9.4739

5.2770, 7.7221, 9.3298

5.1208, 7.6446, 9.1898

4.9886, 7.5792, 9.0552

5.7831, 7.9769, 9.6224

6.1465, 8.1614, 9.7761

6.5901, 8.3870, 9.9346

7.1187, 8.6565, 10.0984

7.7367, 8.9719, 10.2678

8.4481, 9.3355, 10.4427

9.2567, 9.7492, 10.6236

10.1660, 10.2148, 10.8104

11.1795, 10.7341, 11.0035

12.3004, 11.3087, 11.2029

Harmonies

Analogous

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

5.8712, 7.9769, 6.8116

5.7831, 7.9769, 9.6224

6.1418, 7.9769, 12.7996

Triad

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

5.7831, 7.9769, 9.6224

8.9077, 7.9769, 13.8934

8.3120, 7.9769, 4.3765

Complementary

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

5.7831, 7.9769, 9.6224

4.9920, 3.4235, 2.3174

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.

9.2310, 7.9769, 5.5635

5.7831, 7.9769, 9.6224

9.5960, 7.9769, 10.8749

Square

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

5.7831, 7.9769, 9.6224

7.9023, 7.9769, 15.6088

9.7194, 7.9769, 7.8115

7.2701, 7.9769, 4.1888

Rectangle

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

5.7831, 7.9769, 9.6224

6.6070, 7.9769, 14.5493

9.7194, 7.9769, 7.8115

8.6481, 7.9769, 4.6564

Sweetspot

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

5.7833, 7.9772, 9.6226

13.7195, 15.7858, 18.0030

4.6459, 7.5407, 2.8009

3.4169, 3.9693, 4.5459

46.7556, 49.1905, 53.5685

4.1094, 4.3234, 4.7081

Same Dimension

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

5.7833, 7.9772, 9.6226

9.4361, 13.6073, 16.4600

4.3982, 4.9489, 9.9563

2.1504, 2.3595, 2.6298

7.5210, 11.4374, 13.6193

42.1039, 64.1919, 75.7413

Inverse Universe

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

4.9920, 3.4235, 2.3174

7.9132, 4.8103, 2.3763

5.7954, 5.1308, 2.2752

2.1089, 2.1220, 2.2478

6.1197, 3.1497, 0.5176

34.2359, 17.6369, 2.1598

Previews

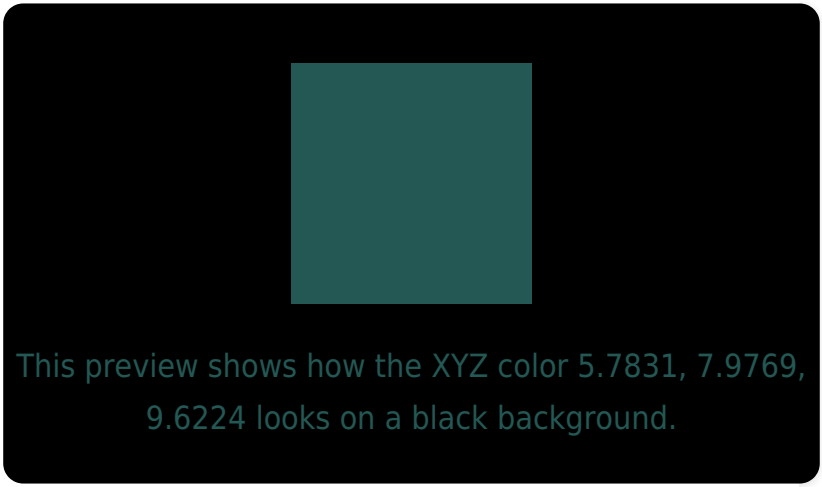
White Background

This preview shows how the XYZ color 5.7831, 7.9769, 9.6224 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 5.7831, 7.9769, 9.6224

Background

This preview shows how black text looks on a background with the XYZ color 5.7831, 7.9769, 9.6224.

This preview shows how white text looks on a background with the XYZ color 5.7831, 7.9769, 9.6224.

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
5.7831, 7.9769, 9.6224

Protanopia
7.6006, 7.9058, 8.5225

Deuteranopia
7.9897, 7.8645, 9.9010

Tritanopia
6.2653, 8.0559, 11.8144

Trichromacy

Original Color
5.7831, 7.9769, 9.6224

Protanomaly
6.6168, 7.7187, 8.9257

Deuteranomaly
6.8289, 7.6990, 9.7205

Tritanomaly
6.0530, 7.9666, 10.8915

Monochromacy

Original Color
5.7831, 7.9769, 9.6224

Achromatopsia
6.1596, 6.4803, 7.0571

Achromatomaly
5.8325, 6.9004, 7.8620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.7831, 7.9769, 9.6224 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(35, 88, 84) looks like.

```
.text, #text, p{
    color:rgb(35, 88, 84)
}
```

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(35, 88, 84) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(35, 88, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 88, 84) }
```

Border

The CSS property to change the border of an element to XYZ 5.7831, 7.9769, 9.6224 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(35, 88, 84) }
```

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

```
.border{ border-color:rgb(35, 88, 84) }
```

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

Here you see how a box with a 4 pixel rgb(35, 88, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 88, 84); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 88, 84); box-shadow:4px 4px 4px 4px rgb(35, 88, 84) }
```

Background

The CSS property to change the background color of an element to XYZ 5.7831, 7.9769, 9.6224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(35, 88, 84) }
```

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

```
.background{ background-color:rgb(35, 88, 84) }
```

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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