Converting Colors

XYZ(76.5433, 80.6960, 88.0178)

Have a look what the booklet for XYZ(76.5433, 80.6960, 88.0178) contains.

Color

XYZ(76.3771, 80.5283, 87.8620)

Conversions

Format	Color
Hex	E7E8E8
RGB	231, 232, 232
RGB Percent	91%, 91%, 91%
CMY	0.0941, 0.0902, 0.0902
CMYK	0.00, 0.00, 0.00, 0.09
HSL	180°, 2%, 91%
HSV	180°, 0%, 91%
XYZ	76.3771, 80.5283, 87.8620
YIQ	231.7010, -0.5960, -0.2120

Conversions Part 1

Conversions

Conversions Part 2

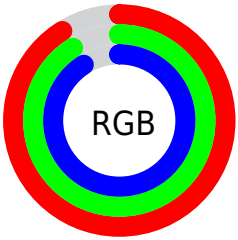
Format	Color
RYB	231, 232, 232
Decimal	15198440
CIELab	91.92, -0.33, -0.13
CIELCh	92, 0.354, 201.142
Yxy	80.5283, 0.3120, 0.3290
Android (android.graphics.Color)	4293388520 (0xFFE7E8E8)
YUV	231.7010, 0.1474, -0.6148
Hunter-Lab	89.7376, -5.1165, 4.7655

Details

The XYZ color 76.3771, 80.5283, 87.8620 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 76.2814, 80.0793, 87.0416, and the grayscale version is 76.4794, 80.4623, 87.6235.

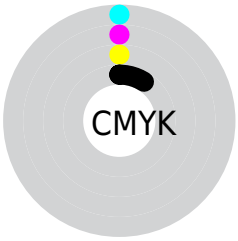
A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 41.0410, 43.2992, 47.2688 is the 20% darker color. If you saturate the color by 10%, you get 69.3682, 76.9188, 87.4721, and if you desaturate by 10%, it is 84.3831, 84.6564, 88.3019.

Distribution

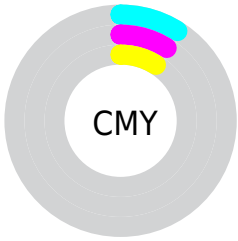


- Red (91%)
- Green (91%)
- Blue (91%)

- Red (91%)
- Yellow (91%)
- Blue (91%)



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



- Cyan (9%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3771, 80.5283, 87.8620 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 76.3771, 80.5283, 87.8620 by changing the saturation by 10% instead.

76.3771, 80.5283, 87.8620

76.3771, 80.5283, 87.8620

471.5622, 496.7115, 541.4408

57.0399, 60.1532, 65.6451

127.2373, 134.1082, 146.2745

41.2776, 43.5421, 47.5297

159.4911, 168.0819, 183.3071

28.7247, 30.3107, 33.0973

196.7811, 207.3571, 226.1154

19.0159, 20.0745, 21.9292

239.4727, 252.3184, 275.1179

11.7858, 12.4492, 13.6071

287.9313, 303.3500, 330.7332

6.6692, 7.0504, 7.7123

342.5221,

3.3005, 3.4936,

360.8365, 393.3797

403.6106, 425.1622, 463.4761

3.8263

1.3146, 1.3946, 1.5305

0.1941, 0.2127, 0.2405

76.3771, 80.5283, 87.8620

76.3771, 80.5283, 87.8620

69.3682, 76.9188, 87.4721

84.3831, 84.6564, 88.3019

63.3108, 73.7975, 87.1250

84.6882, 84.8123, 88.3799

58.1660, 71.1466, 86.8207

84.7004, 84.8172, 88.4441

53.8894, 68.9434, 86.5571

84.7127, 84.8221, 88.5084

50.4331, 67.1630, 86.3319

47.7444, 65.7783, 86.1427

45.7645, 64.7591, 85.9866

44.4263, 64.0706, 85.8606

43.6497, 63.6716, 85.7610

84.7249, 84.8270, 88.5727

84.7371, 84.8318, 88.6370

84.7493, 84.8367, 88.7014

84.7615, 84.8416, 88.7658

84.7738, 84.8465, 88.8302

Harmonies

Analogous

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

76.3674, 80.5283, 87.6047

76.3771, 80.5283, 87.8620

76.4303, 80.5283, 88.0714

Triad

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

76.3771, 80.5283, 87.8620

76.6757, 80.5283, 87.9955

76.5666, 80.5283, 87.1888

Complementary

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

76.3771, 80.5283, 87.8620

76.2814, 80.0793, 87.0416

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.

76.6493, 80.5283, 87.2931

76.3771, 80.5283, 87.8620

76.7123, 80.5283, 87.7586

Square

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

76.3771, 80.5283, 87.8620

76.6027, 80.5283, 88.1486

76.7026, 80.5283, 87.5015

76.4768, 80.5283, 87.2164

Rectangle

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

76.3771, 80.5283, 87.8620

76.4833, 80.5283, 88.1554

76.7026, 80.5283, 87.5015

76.5961, 80.5283, 87.2096

Sweetspot

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

76.3794, 80.5318, 87.8638

95.0500, 100.0000, 108.9000

76.2431, 80.4779, 87.1178

20.3446, 21.4041, 23.3091

0.0000, 0.0000, 0.0000

Same Dimension

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

76.3794, 80.5318, 87.8638

94.1165, 99.5190, 108.8484

76.2435, 80.2592, 87.8211

16.0700, 16.9873, 18.5750

24.0399, 35.2481, 47.5719

1.7772, 2.6050, 3.5194

Inverse Universe

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

76.2814, 80.0793, 87.0416

93.8355, 98.2212, 106.4906

76.4169, 80.3510, 87.0842

16.0249, 16.7790, 18.1966

18.4787, 9.5257, 0.8837

1.3663, 0.7042, 0.0693

Previews

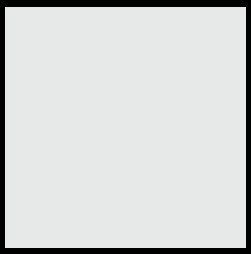
White Background

This preview shows how the XYZ color 76.3771, 80.5283, 87.8620 looks on a white 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

Black Background



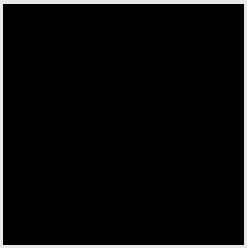
This preview shows how the XYZ color 76.3771, 80.5283, 87.8620 looks on a black background.

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 ✓ Pass

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

XYZ 76.3771, 80.5283, 87.8620 Background



This preview shows how black text looks on a background with the XYZ color 76.3771, 80.5283, 87.8620.

This preview shows how white text looks on a background with the XYZ color 76.3771, 80.5283,

87.8620.

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
76.3771, 80.5283, 87.8620

Protanopia
77.5918, 80.7542, 87.0989

Deuteranopia
82.0150, 80.1345, 88.9867

Tritanopia
78.8444, 80.6946, 100.2270

Trichromacy

Original Color
76.3771, 80.5283, 87.8620

Protanomaly
76.9314, 80.4138, 87.0680

Deuteranomaly
79.8333, 80.2338, 88.3698

Tritanomaly
77.8816, 80.7184, 95.4798

Monochromacy

Original Color
76.3771, 80.5283, 87.8620

Achromatopsia
76.7008, 80.6952, 87.8771

Achromatomaly
76.7008, 80.6952, 87.8771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3771, 80.5283, 87.8620 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(231, 232, 232) looks like.

```
.text, #text, p{
    color:rgb(231, 232, 232)
}
```

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(231, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 232, 232) }
```

Border

The CSS property to change the border of an element to XYZ 76.3771, 80.5283, 87.8620 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(231, 232, 232) }
```

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

```
.border{ border-color:rgb(231, 232, 232) }
```

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

Here you see how a box with a 4 pixel rgb(231, 232, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 232, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 232, 232); box-shadow:4px 4px 4px 4px rgb(231, 232, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3771, 80.5283, 87.8620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(231, 232, 232) }
```

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

```
.background{ background-color:rgb(231,
232, 232) }
```

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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