Converting Colors

XYZ(69.1220, 72.0653, 77.8495)

Have a look what the booklet for XYZ(69.1220, 72.0653, 77.8495) contains.

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Color

XYZ(69.2519, 72.2010, 77.9964)

Conversions

Format	Color
	Conversions Part 1
Hex	E0DCDC
RGB	224, 220, 220
RGB Percent	88%, 86%, 86%
CMY	0.1216, 0.1372, 0.1372
CMYK	0.00, 0.02, 0.02, 0.12
HSL	0°, 6%, 87%
HSV	0°, 2%, 88%
XYZ	69.2519, 72.2010, 77.9964
YIQ	221.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

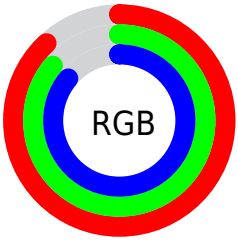
Format	Color
RYB	224, 220, 220
Decimal	14736604
CIELab	88.07, 1.36, 0.47
CIELCh	88, 1.441, 19.097
Yxy	72.2010, 0.3156, 0.3290
Android (android.graphics.Color)	4292926684 (0xFFE0DCDC)
YUV	221.1960, -0.5896, 2.4591
Hunter-Lab	84.9712, -3.2212, 5.0566

Details

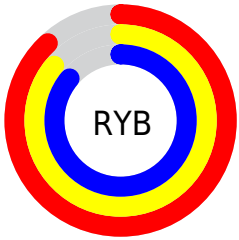
The XYZ color 69.2519, 72.2010, 77.9964 is a light color, and the websafe version is hex CCCCCC. A complement of this color would be 69.6253, 73.9077, 81.1178, and the grayscale version is 68.8695, 72.4560, 78.9046.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 36.6089, 38.0619, 41.0145 is the 20% darker color. If you saturate the color by 10%, you get 60.9968, 60.1240, 61.5756, and if you desaturate by 10%, it is 78.6949, 86.0157, 96.7761.

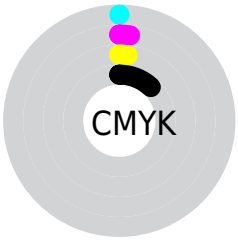
Distribution



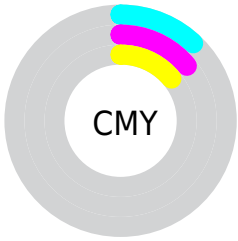
- Red (88%)
- Green (86%)
- Blue (86%)



- Red (88%)
- Yellow (86%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (12%)



- Cyan (12%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2519, 72.2010, 77.9964 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 69.2519, 72.2010, 77.9964 by changing the saturation by 10% instead.

69.2519, 72.2010, 77.9964

69.2519, 72.2010, 77.9964

447.2264, 468.2409, 507.6822

51.1943, 53.3229, 57.5546

117.1734, 122.3423, 132.3309

36.5849, 38.0606, 41.0383

147.7680, 154.3742, 167.0606

25.0585, 26.0297, 28.0291

183.2722, 191.5595, 207.3901

16.2496, 16.8459, 18.1084

224.0515, 234.2826, 253.7378

9.7929, 10.1247, 10.8576

270.4713, 282.9279, 306.5223

5.3231, 5.4817, 5.8582

322.8967,

2.4747, 2.5326,

337.8798, 366.1622

381.6933, 399.5227, 433.0760

2.6916

0.8825, 0.8929, 0.9392

0.0000, 0.0000, 0.0000

69.2519, 72.2010, 77.9964

69.2519, 72.2010, 77.9964

60.9968, 60.1240, 61.5756

78.6949, 86.0157, 96.7761

53.8768, 49.7071, 47.4160

84.5508, 94.5875, 108.4086

47.8440, 40.8805, 35.4201

42.8451, 33.5660, 25.4812

38.8220, 27.6789, 17.4841

35.7110, 23.1259, 11.3016

33.4408, 19.8030, 6.7919

31.9297, 17.5904, 3.7920

31.0794, 16.3447, 2.1064

Harmonies

Analogous

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

69.2765, 72.2010, 78.9735

69.2519, 72.2010, 77.9964

69.0589, 72.2010, 77.1913

Triad

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

69.2519, 72.2010, 77.9964

68.1261, 72.2010, 77.3806

68.4998, 72.2010, 80.4897

Complementary

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

69.2519, 72.2010, 77.9964

69.6253, 73.9077, 81.1178

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.

68.1926, 72.2010, 80.0553

69.2519, 72.2010, 77.9964

67.9774, 72.2010, 78.2568

Square

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

69.2519, 72.2010, 77.9964

68.4087, 72.2010, 76.8379

68.0017, 72.2010, 79.2361

68.8415, 72.2010, 80.4185

Rectangle

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

69.2519, 72.2010, 77.9964

68.8612, 72.2010, 76.8580

68.0017, 72.2010, 79.2361

68.3891, 72.2010, 80.3978

Sweetspot

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

69.2539, 72.2041, 77.9980

93.8348, 98.2222, 106.4829

69.7892, 72.4166, 80.8214

20.0973, 21.0423, 22.8172

0.0000, 0.0000, 0.0000

20.3446, 21.4041, 23.3091

Same Dimension

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

69.2539, 72.2041, 77.9980

92.6357, 96.4680, 104.0980

69.7810, 73.2582, 78.1736

15.0911, 15.7255, 16.9792

17.8950, 9.2279, 0.8380

1.2408, 0.6404, 0.0582

Inverse Universe

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

69.6253, 73.9077, 81.1178

93.1970, 99.0424, 108.8128

69.0920, 72.8411, 80.9401

15.1767, 16.1185, 17.6990

23.3142, 34.0980, 46.4011

1.6164, 2.3642, 3.2164

Previews

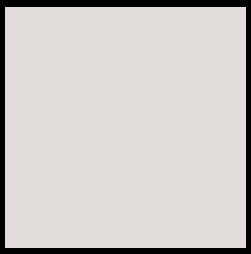
White Background

This preview shows how the XYZ color 69.2519, 72.2010, 77.9964 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



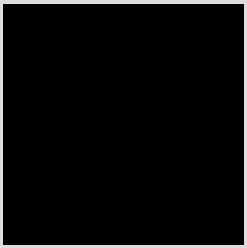
This preview shows how the XYZ color 69.2519, 72.2010, 77.9964 looks on a black background.

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 69.2519, 72.2010, 77.9964 Background



This preview shows how black text looks on a background with the XYZ color 69.2519, 72.2010, 77.9964.

This preview shows how white text looks on a background with the XYZ color 69.2519, 72.2010,

77.9964.

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
69.2519, 72.2010, 77.9964

Protanopia
69.5628, 72.3613, 78.0109

Deuteranopia
73.7157, 72.1908, 78.4556

Tritanopia
71.4308, 72.3097, 88.7896

Trichromacy

Original Color
69.2519, 72.2010, 77.9964

Protanomaly
69.5628, 72.3613, 78.0109

Deuteranomaly
71.8680, 71.9944, 78.5151

Tritanomaly
70.6658, 72.3838, 85.1099

Monochromacy

Original Color
69.2519, 72.2010, 77.9964

Achromatopsia
68.7264, 72.3055, 78.7407

Achromatomaly
69.0318, 72.4630, 78.7550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2519, 72.2010, 77.9964 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(224, 220, 220) looks like.

```
.text, #text, p{
    color:rgb(224, 220, 220)
}
```

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(224, 220, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 220, 220) }
```

Border

The CSS property to change the border of an element to XYZ 69.2519, 72.2010, 77.9964 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(224, 220, 220) }
```

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

```
.border{ border-color:rgb(224, 220, 220) }
```

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

Here you see how a box with a 4 pixel rgb(224, 220, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 220, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 220, 220); box-shadow:4px 4px 4px 4px rgb(224, 220, 220) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2519, 72.2010, 77.9964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(224, 220, 220) }
```

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

```
.background{ background-color:rgb(224,
220, 220) }
```

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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