Converting Colors

XYZ(56.2333, 81.2269, 51.1677)

Have a look what the booklet for XYZ(56.2333, 81.2269, 51.1677) contains.

Color

XYZ(56.2476, 81.2326, 51.2430)

Conversions

Conversions Part 1

Format	Color
Hex	99FFAB
RGB	153, 255, 171
RGB Percent	60%, 100%, 67%
CMY	0.4000, 0.0000, 0.3294
CMYK	0.40, 0.00, 0.33, 0.00
HSL	131°, 100%, 80%
HSV	131°, 40%, 100%
XYZ	56.2476, 81.2326, 51.2430
YIQ	214.9260, -33.8280, -47.7480

Conversions

Conversions Part 2

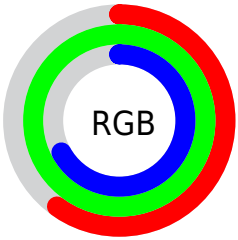
Format	Color
RYB	153, 240, 255
Decimal	10092459
CIELab	92.24, -46.75, 31.04
CIELCh	92, 56.116, 146.413
Yxy	81.2326, 0.2980, 0.4304
Android (android.graphics.Color)	4288282539 (0xFF99FFAB)
YUV	214.9260, -21.6555, -54.3091
Hunter-Lab	90.1291, -46.3281, 29.3810

Details

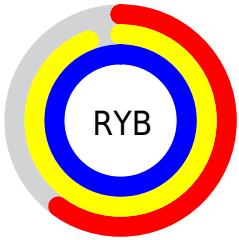
The XYZ color 56.2476, 81.2326, 51.2430 is a light color, and the websafe version is hex 99FF99. A complement of this color would be 67.9174, 50.1574, 86.2218, and the grayscale version is 64.6994, 68.0688, 74.1269.

A 20% lighter version of the original color is 76.4891, 90.9149, 86.1900, and 28.2880, 44.1830, 24.1768 is the 20% darker color. If you saturate the color by 10%, you get 50.0926, 78.2727, 41.3234, and if you desaturate by 10%, it is 63.7501, 84.8503, 62.8883.

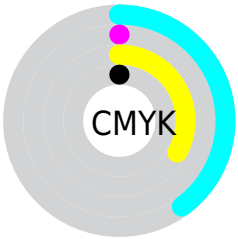
Distribution



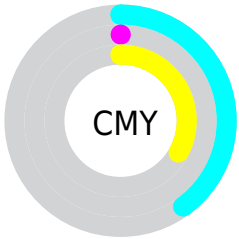
- Red (60%)
- Green (100%)
- Blue (67%)



- Red (60%)
- Yellow (94%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.2476, 81.2326, 51.2430 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 56.2476, 81.2326, 51.2430 by changing the saturation by 10% instead.

56.2476, 81.2326, 51.2430

56.2476, 81.2326, 51.2430

400.6838, 499.0771, 408.3806

40.6393, 60.7332, 36.0240

98.5042, 135.0973, 93.4290

28.2237, 44.0099, 24.1629

125.8832, 169.2314, 121.2331

18.6357, 30.6783, 15.2412

157.9164, 208.6792, 154.0693

11.5098, 20.3540, 8.8403

194.9693, 253.8250, 192.3561

6.4806, 12.6526, 4.5418

237.4071, 305.0534, 236.5121

3.1829, 7.1898, 1.9270

285.5952,

1.2512, 3.5811,

362.7486, 286.9559

339.8990, 427.2950, 344.1059

0.5098

0.1462, 1.4421, 0.0000

0.0000, 0.2474, 0.0000

56.2476, 81.2326, 51.2430

56.2476, 81.2326, 51.2430

50.0926, 78.2727, 41.3234

63.7501, 84.8503, 62.8883

45.2023, 75.9299, 33.0435

72.6728, 89.1618, 76.3318

41.4875, 74.1599, 26.3160

83.0850, 94.2013, 91.6468

38.8458, 72.9120, 21.0437

95.0500, 100.0000, 108.9000

37.1569, 72.1265, 17.1183

36.2338, 71.7095, 14.4147

36.2337, 71.7095, 14.4145

Harmonies

Analogous

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

65.4669, 81.2326, 34.5043

56.2476, 81.2326, 51.2430

52.6072, 81.2326, 83.5494

Triad

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

56.2476, 81.2326, 51.2430

75.4790, 81.2326, 194.3755

104.9465, 81.2326, 57.4905

Complementary

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

56.2476, 81.2326, 51.2430

67.9174, 50.1574, 86.2218

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.

108.4873, 81.2326, 93.5355

56.2476, 81.2326, 51.2430

90.2777, 81.2326, 180.8854

Square

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

56.2476, 81.2326, 51.2430

62.7991, 81.2326, 172.9603

102.8220, 81.2326, 140.3402

93.6704, 81.2326, 37.2389

Rectangle

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

56.2476, 81.2326, 51.2430

53.4485, 81.2326, 112.9640

102.8220, 81.2326, 140.3402

107.1372, 81.2326, 67.7642

Sweetspot

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

56.2481, 81.2328, 51.2443

80.8795, 93.1332, 88.4297

76.7699, 91.9972, 43.8488

17.0104, 19.7886, 18.4869

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.

56.2481, 81.2328, 51.2443

51.2194, 78.8139, 43.1729

61.9484, 83.5130, 81.2616

17.9024, 20.2205, 19.7891

18.9705, 37.4848, 7.7301

1.8812, 3.6634, 0.9322

Inverse Universe

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

67.9174, 50.1574, 86.2218

64.3379, 43.8317, 82.4590

61.6013, 47.6309, 52.9613

18.6470, 18.2421, 22.0241

27.6772, 13.5602, 33.2802

2.7293, 1.3341, 3.4217

Previews

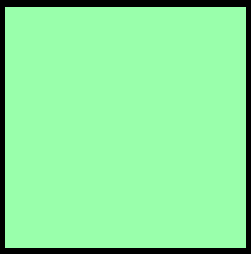
White Background

This preview shows how the XYZ color 56.2476, 81.2326, 51.2430 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



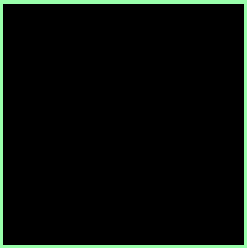
This preview shows how the XYZ color 56.2476, 81.2326, 51.2430 looks on a black background.

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 56.2476, 81.2326, 51.2430 Background



This preview shows how black text looks on a background with the XYZ color 56.2476, 81.2326, 51.2430.

This preview shows how white text looks on a background with the XYZ color 56.2476, 81.2326,

51.2430.

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
56.2476, 81.2326, 51.2430

Protanopia
74.4333, 80.0490, 45.2462

Deuteranopia
79.3354, 80.0123, 68.3892

Tritanopia
70.4453, 80.4873, 106.4305

Trichromacy

Original Color
56.2476, 81.2326, 51.2430

Protanomaly
65.9760, 79.4839, 47.4619

Deuteranomaly
68.7121, 79.2796, 61.5501

Tritanomaly
64.2384, 80.0337, 82.5833

Monochromacy

Original Color
56.2476, 81.2326, 51.2430

Achromatopsia
64.5905, 67.9542, 74.0022

Achromatomaly
60.3438, 71.9236, 64.7350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2476, 81.2326, 51.2430 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(153, 255, 171) looks like.

```
.text, #text, p{
    color:rgb(153, 255, 171)
}
```

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(153, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 56.2476, 81.2326, 51.2430 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(153, 255, 171) }
```

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

```
.border{ border-color:rgb(153, 255, 171) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 255, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 255, 171); box-shadow:4px 4px 4px 4px rgb(153, 255, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2476, 81.2326, 51.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(153, 255, 171) }
```

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

```
.background{ background-color:rgb(153,
255, 171) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor