

Converting Colors

XYZ(44.9967, 53.2927, 82.5523)

Have a look what the booklet for
XYZ(44.9967, 53.2927, 82.5523)
contains.

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Color

**XYZ(44.9989, 53.2503,
82.7696)**

Conversions

Conversions Part 1

Format	Color
Hex	83CBE6
RGB	131, 203, 230
RGB Percent	51%, 80%, 90%
CMY	0.4863, 0.2039, 0.0980
CMYK	0.43, 0.12, 0.00, 0.10
HSL	196°, 66%, 71%
HSV	196°, 43%, 90%
XYZ	44.9989, 53.2503, 82.7696
YIQ	184.5500, -51.5790, -6.8670

Conversions

Conversions Part 2

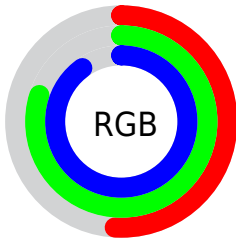
Format	Color
R _Y B	131, 173, 230
Decimal	8637414
CIE Lab	78.02, -15.57, -20.42
CIE LCh	78, 25.683, 232.669
Yxy	53.2503, 0.2486, 0.2942
Android (android.graphics.Color)	4286827494 (0xFF83CBE6)
YUV	184.5500, 22.4069, -46.9633
Hunter-Lab	72.9728, -17.6298, -16.1689

Details

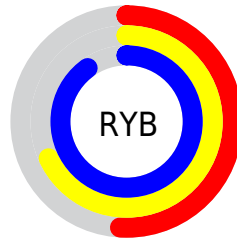
The XYZ color **44.9989, 53.2503, 82.7696** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.9578, 42.9165, 27.1776**, and the grayscale version is **45.7658, 48.1492, 52.4345**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **21.2115, 26.0067, 43.9462** is the 20% darker color. If you saturate the color by 10%, you get **40.3732, 48.7121, 82.1384**, and if you desaturate by 10%, it is **50.4786, 58.3201, 83.4603**.

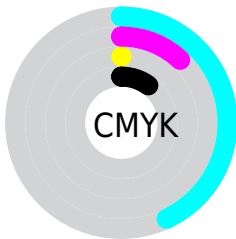
Distribution



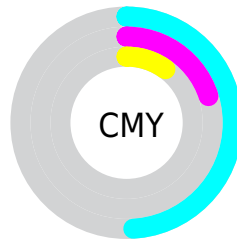
- Red (51%)
- Green (80%)
- Blue (90%)



- Red (51%)
- Yellow (68%)
- Blue (90%)



- Cyan (43%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)



- Cyan (49%)
- Magenta (20%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9989, 53.2503, 82.7696 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 44.9989, 53.2503, 82.7696 by changing the saturation by 10% instead.

■ 44.9989, 53.2503,
82.7696

■ 44.9989, 53.2503,
82.7696

357.5529,
399.2447, 524.1692

■ 31.6578, 38.0026,
61.4606

■ 81.9558, 94.9726,
139.0991

■ 21.2546, 25.9847,
44.1640

■ 106.3024,
122.2160, 174.9566

■ 13.4237, 16.8122,
30.4613

■ 135.0482,
154.2267, 216.5007

■ 7.8000, 10.1007,
19.9340

168.5586,
191.3892, 264.1500

■ 4.0179, 5.4658,
12.1635

207.1989,
234.0879, 318.3229

■ 1.7123, 2.5231,
6.7312

251.3345,

■ 0.4639, 0.8881,

282.7071, 379.4381

3.2187

301.3307,
337.6312, 447.9140

■ 0.0000, 0.0000,
1.2074

■ 0.0000, 0.0000,
0.0000

■ 44.9989, 53.2503,
82.7696

■ 44.9989, 53.2503,
82.7696

■ 40.3732, 48.7121,
82.1384

■ 50.4786, 58.3201,
83.4603

■ 36.5427, 44.6706,
81.5602

■ 56.8559, 63.9415,
84.2092

■ 33.4491, 41.0958,
81.0332

■ 64.1775, 70.1406,
85.0199

■ 31.0231, 37.9510,
80.5541

■ 72.4851, 76.9401,
85.8945

■ 29.1812, 35.1920,
80.1186

■ 81.8179, 84.3611,
86.8350

■ 28.1526, 33.4522,
79.8370

■ 86.8714, 89.6699,
87.5933

■ 88.7566, 93.4402,
88.2217

■ 90.7062, 97.3395,
88.8716

■ 91.2831, 98.4932,
89.0639

Harmonies

Analogous

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



42.2428, 53.2503, 69.2632



44.9989, 53.2503, 82.7696



49.3948, 53.2503, 89.8334

Triad

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



44.9989, 53.2503, 82.7696



60.7691, 53.2503, 61.5687



46.9941, 53.2503, 36.0877

Complementary

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



44.9989, 53.2503, 82.7696



48.9578, 42.9165, 27.1776

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.



51.8506, 53.2503, 34.7177



44.9989, 53.2503, 82.7696



60.0213, 53.2503, 47.9949

Square

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



44.9989, 53.2503, 82.7696



58.6561, 53.2503, 76.3494



56.6752, 53.2503, 38.7124



43.3406, 53.2503, 42.8229

Rectangle

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



44.9989, 53.2503, 82.7696



52.7526, 53.2503, 89.2380



56.6752, 53.2503, 38.7124



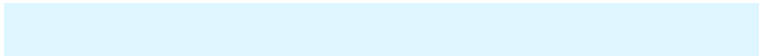
48.5317, 53.2503, 35.0353

Sweetspot

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



45.0006, 53.2523, 82.7709



81.0717, 88.6128, 107.4388



43.7782, 63.8681, 42.0996



16.8906, 18.5809, 22.9462



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.



45.0006, 53.2523, 82.7709



51.4221, 61.9654, 103.8580



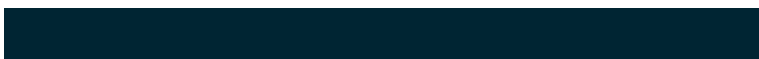
35.2165, 33.6843, 79.5095



14.4577, 15.6367, 18.4005



16.0450, 19.1520, 45.2342



1.2620, 1.5679, 3.3681

Inverse Universe

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



51.5303, 37.3689, 60.9990



61.0136, 40.3835, 71.4851



59.0197, 63.0402, 30.5315



14.8186, 14.5446, 17.2451



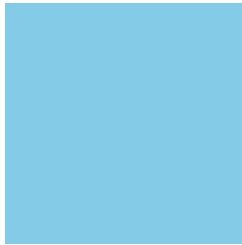
22.4923, 11.1311, 22.0190



1.7006, 0.8380, 1.8299

Previews

White Background



This preview shows how the XYZ color 44.9989, 53.2503, 82.7696 looks on a white background.

Color Contrast Check

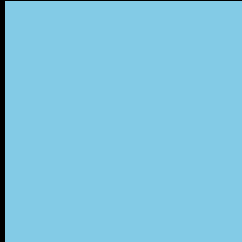
Large Text (above 18pt) WCAG AA × Fail

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 44.9989, 53.2503, 82.7696 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 44.9989, 53.2503, 82.7696

Background



This preview shows how black text looks on a background with the XYZ color 44.9989, 53.2503, 82.7696.



This preview shows how white text looks on a background with the XYZ color 44.9989, 53.2503,

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

44.9989, 53.2503, 82.7696

Protanopia

52.0653, 52.9746, 76.5882

Deuteranopia

53.9264, 52.7968, 84.4394



Tritanopia

43.7846, 53.4723, 76.4201

Trichromacy



Original Color

44.9989, 53.2503, 82.7696

Protanomaly

48.8316, 52.5734, 78.8082

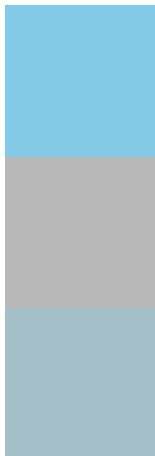
Deuteranomaly

49.9976, 52.4011, 83.8232

Tritanomaly

44.1007, 53.2347, 78.4720

Monochromacy



Original Color

44.9989, 53.2503, 82.7696

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.9093, 49.9157, 62.5261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9989, 53.2503, 82.7696 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(131, 203, 230)` looks like.

```
.text, #text, p{  
    color:rgb(131, 203, 230)  
}
```

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(131, 203, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 203, 230) }
```

Border

The CSS property to change the border of an element to XYZ 44.9989, 53.2503, 82.7696 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(131, 203, 230) }
```


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

```
.border{ border-color:rgb(131, 203, 230) }
```

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

Here you see how a box with a 4 pixel rgb(131, 203, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 203, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 203, 230);  
box-shadow:4px 4px 4px 4px rgb(131, 203,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9989, 53.2503, 82.7696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 203, 230) }
```

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

```
.background{ background-color: rgb(131,  
203, 230) }
```

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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