

Converting Colors

XYZ(47.8041, 59.9469, 79.5734)

Have a look what the booklet for
XYZ(47.8041, 59.9469, 79.5734)
contains.

XYZ(47.7831, 59.9131, 79.5669)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.7831, 59.9131,
79.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	84D9E0
RGB	132, 217, 224
RGB Percent	52%, 85%, 88%
CMY	0.4823, 0.1490, 0.1216
CMYK	0.41, 0.03, 0.00, 0.12
HSL	185°, 60%, 70%
HSV	185°, 41%, 88%
XYZ	47.7831, 59.9131, 79.5669
YIQ	192.3830, -52.9070, -15.8430

Conversions

Conversions Part 2

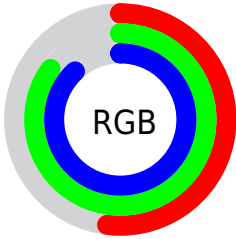
Format	Color
R _{YB}	132, 176, 224
Decimal	8706528
CIE Lab	81.79, -23.94, -11.54
CIE LCh	82, 26.577, 205.734
Yxy	59.9131, 0.2552, 0.3199
Android (android.graphics.Color)	4286896608 (0xFF84D9E0)
YUV	192.3830, 15.5872, -52.9559
Hunter-Lab	77.4036, -25.2638, -6.7646

Details

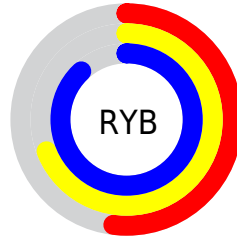
The XYZ color **47.7831, 59.9131, 79.5669** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.1388, 35.9792, 26.4495**, and the grayscale version is **50.2621, 52.8797, 57.5859**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **22.9834, 30.2011, 42.1542** is the 20% darker color. If you saturate the color by 10%, you get **44.2129, 57.4254, 79.2759**, and if you desaturate by 10%, it is **52.1135, 62.8023, 79.8974**.

Distribution



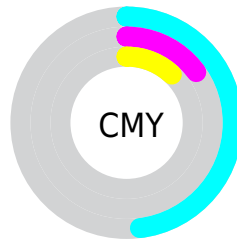
- Red (52%)
- Green (85%)
- Blue (88%)



- Red (52%)
- Yellow (69%)
- Blue (88%)



- Cyan (41%)
- Magenta (3%)
- Yellow (0%)
- Black (12%)



- Cyan (48%)
- Magenta (15%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7831, 59.9131, 79.5669 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 47.7831, 59.9131, 79.5669 by changing the saturation by 10% instead.

47.7831, 59.9131,
79.5669

47.7831, 59.9131,
79.5669

368.5287,
424.2774, 513.1403

33.8657, 43.3486,
58.8380

86.0930, 104.7036,
134.5625

22.9528, 30.1587,
42.0635

111.2162,
133.6984, 169.6663

14.6792, 19.9591,
28.8251

140.8055,
167.6054, 210.3988

8.6794, 12.3653,
18.7041

175.2260,
206.8090, 257.1784

4.5881, 6.9930,
11.2820

214.8432,
251.6936, 310.4239

2.0399, 3.4577,
6.1403

260.0225,

0.6562, 1.3751,

302.6436, 370.5537

2.8604

311.1292,
360.0434, 437.9863

■ 0.0000, 0.1983,
1.0238

■ 0.0000, 0.0000,
0.0000

■ 47.7831, 59.9131,
79.5669

■ 47.7831, 59.9131,
79.5669

■ 44.2129, 57.4254,
79.2759

■ 52.1135, 62.8023,
79.8974

■ 41.3488, 55.3070,
79.0180

■ 57.2429, 66.1087,
80.2652

■ 39.1383, 53.5322,
78.7919

■ 63.2140, 69.8558,
80.6738

■ 37.5194, 52.0691,
78.5949

■ 70.0649, 74.0632,
81.1248

■ 36.4176, 50.8792,
78.4233

■ 77.8313, 78.7494,
81.6200

■ 35.7587, 49.9898,
78.2863

■ 82.2259, 81.7041,
81.9587

■ 82.6948, 82.6420,
82.1150

■ 83.1684, 83.5892,
82.2729

■ 83.6466, 84.5456,
82.4323

Harmonies

Analogous

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



46.8652, 59.9131, 62.9670



47.7831, 59.9131, 79.5669



51.0936, 59.9131, 94.1947

Triad

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



47.7831, 59.9131, 79.5669



66.3194, 59.9131, 84.1914



57.7507, 59.9131, 39.0543

Complementary

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



47.7831, 59.9131, 79.5669



44.1388, 35.9792, 26.4495

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.



63.2282, 59.9131, 42.9178



47.7831, 59.9131, 79.5669



68.3768, 59.9131, 67.5572

Square

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



47.7831, 59.9131, 79.5669



61.7516, 59.9131, 97.1571



67.2104, 59.9131, 52.7369



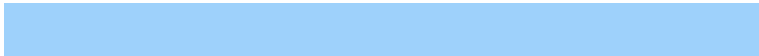
52.3956, 59.9131, 41.2051

Rectangle

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



47.7831, 59.9131, 79.5669



54.3322, 59.9131, 99.9324



67.2104, 59.9131, 52.7369



59.6415, 59.9131, 39.6726

Sweetspot

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



47.7849, 59.9154, 79.5683



83.9366, 93.1752, 108.1684



40.7697, 60.0568, 33.5401



17.7294, 19.7961, 23.1365



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.



47.7849, 59.9154, 79.5683



60.0663, 77.5752, 106.4154



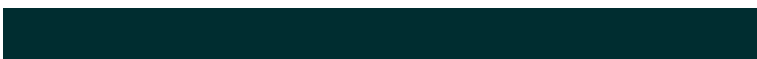
37.6987, 39.7431, 76.2062



14.0227, 15.3845, 17.6181



20.8520, 29.1735, 45.5804



1.4723, 2.0760, 3.1684

Inverse Universe

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



51.5176, 37.3610, 70.1444



65.7866, 43.8615, 91.7826



52.0747, 51.8510, 29.0948



14.2477, 13.9167, 17.0744



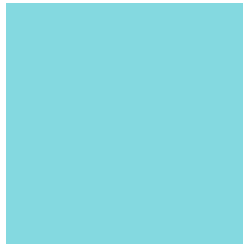
24.4653, 11.8531, 35.4457



1.7094, 0.8270, 2.5285

Previews

White Background



This preview shows how the XYZ color 47.7831, 59.9131, 79.5669 looks on a white background.

Color Contrast Check

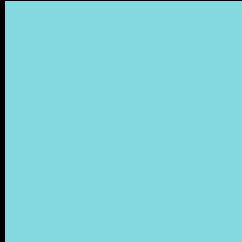
Large Text (above 18pt) WCAG AA × Fail

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 47.7831, 59.9131, 79.5669 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 47.7831, 59.9131, 79.5669

Background



This preview shows how black text looks on a background with the XYZ color 47.7831, 59.9131, 79.5669.

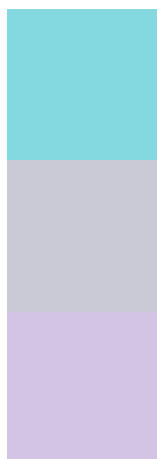


This preview shows how white text looks on a background with the XYZ color 47.7831, 59.9131,

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

47.7831, 59.9131, 79.5669

Protanopia

57.3814, 59.1849, 72.0178

Deuteranopia

60.5482, 59.2356, 81.6412



Tritanopia

49.2555, 60.1458, 86.1041

Trichromacy



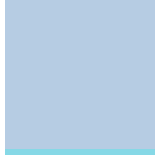
Original Color

47.7831, 59.9131, 79.5669



Protanomaly

53.0992, 59.0347, 74.9259



Deuteranomaly

54.7494, 58.6769, 81.1132



Tritanomaly

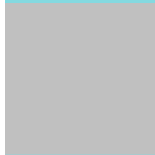
48.6703, 59.8932, 83.8583

Monochromacy



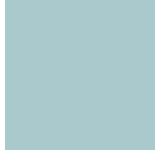
Original Color

47.7831, 59.9131, 79.5669



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

48.3633, 54.6790, 65.1318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7831, 59.9131, 79.5669 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(132, 217, 224)` looks like.

```
.text, #text, p{  
    color:rgb(132, 217, 224)  
}
```

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(132, 217, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 217, 224) }
```

Border

The CSS property to change the border of an element to XYZ 47.7831, 59.9131, 79.5669 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(132, 217, 224) }
```


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

```
.border{ border-color:rgb(132, 217, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 217, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 217, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 217, 224);  
box-shadow:4px 4px 4px 4px rgb(132, 217,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7831, 59.9131, 79.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 217, 224) }
```

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

```
.background{ background-color: rgb(132,  
217, 224) }
```

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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