

Converting Colors

XYZ(49.9876, 61.6247, 88.6170)

Have a look what the booklet for
XYZ(49.9876, 61.6247, 88.6170)
contains.

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Color

**XYZ(49.9876, 61.6247,
88.6170)**

Conversions

Conversions Part 1

Format	Color
Hex	84DBEC
RGB	132, 219, 236
RGB Percent	52%, 86%, 93%
CMY	0.4823, 0.1412, 0.0745
CMYK	0.44, 0.07, 0.00, 0.07
HSL	190°, 73%, 72%
HSV	190°, 44%, 93%
XYZ	49.9876, 61.6247, 88.6170
YIQ	194.9250, -57.3090, -13.1570

Conversions

Conversions Part 2

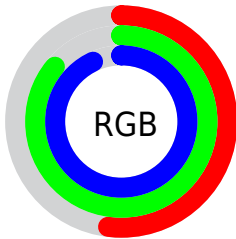
Format	Color
RYB	132, 179, 236
Decimal	8707052
CIELab	82.71, -21.90, -16.54
CIELCh	83, 27.437, 217.060
Yxy	61.6247, 0.2497, 0.3078
Android (android.graphics.Color)	4286897132 (0xFF84DBEC)
YUV	194.9250, 20.2500, -55.1852
Hunter-Lab	78.5014, -23.7134, -11.9791

Details

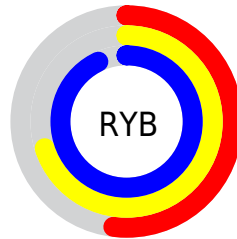
The XYZ color **49.9876, 61.6247, 88.6170** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49.5056, 40.9950, 27.1352**, and the grayscale version is **51.7365, 54.4308, 59.2752**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **24.3377, 31.3021, 47.9392** is the 20% darker color. If you saturate the color by 10%, you get **45.7119, 57.9452, 88.1332**, and if you desaturate by 10%, it is **55.1251, 65.7859, 89.1505**.

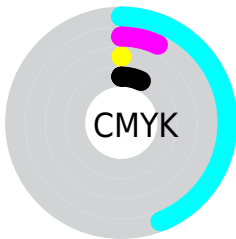
Distribution



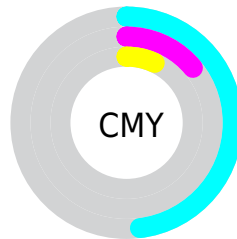
- Red (52%)
- Green (86%)
- Blue (93%)



- Red (52%)
- Yellow (70%)
- Blue (93%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9876, 61.6247, 88.6170 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 49.9876, 61.6247, 88.6170 by changing the saturation by 10% instead.

■ 49.9876, 61.6247,
88.6170

■ 49.9876, 61.6247,
88.6170

377.0702,
430.5608, 543.9752

■ 35.6213, 44.7295,
66.2669

■ 89.3484, 107.1829,
147.3345

■ 24.3106, 31.2444,
48.0313

■ 115.0737,
136.6148, 184.5391

■ 15.6902, 20.7850,
33.4915

■ 145.3160,
170.9943, 227.5322

■ 9.3946, 12.9670,
22.2290

180.4406,
210.7059, 276.7324

■ 5.0586, 7.4058,
13.8254

220.8130,
256.1339, 332.5583

■ 2.3168, 3.7172,
7.8619

266.7985,

■ 0.8032, 1.5166,

307.6628, 395.4284

3.9202

318.7625,
365.6770, 465.7612

■ 0.0000, 0.3004,
1.5817

■ 0.0000, 0.0000,
0.2777

■ 49.9876, 61.6247,
88.6170

■ 49.9876, 61.6247,
88.6170

■ 45.7119, 57.9452,
88.1332

■ 55.1251, 65.7859,
89.1505

■ 42.2352, 54.7106,
87.6921


■ 61.1705, 70.4486,
89.7319


■ 39.4952, 51.8899,
87.2921


■ 68.1734, 75.6400,
90.3648

■ 37.4172, 49.4444,
86.9296


■ 76.1781, 81.3831,
91.0514


 35.9105, 47.3272,
86.6003


 85.2260, 87.6995,
91.7938

 35.2041, 46.1834,
86.4168

 88.1766, 90.9084,
92.2576

 89.3378, 93.2308,
92.6447

 90.5234, 95.6019,
93.0399

 91.7335, 98.0221,
93.4432

Harmonies

Analogous

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



48.0317, 61.6247, 71.1669



49.9876, 61.6247, 88.6170



54.2661, 61.6247, 101.6396

Triad

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



49.9876, 61.6247, 88.6170



69.6392, 61.6247, 80.5585



57.1908, 61.6247, 39.7715

Complementary

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



49.9876, 61.6247, 88.6170



49.5056, 40.9950, 27.1352

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.



63.1008, 61.6247, 41.4314



49.9876, 61.6247, 88.6170



70.5524, 61.6247, 63.1888

Square

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



49.9876, 61.6247, 88.6170



65.6699, 61.6247, 96.4691



68.0878, 61.6247, 49.3806



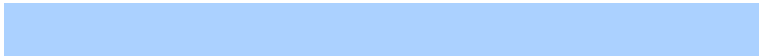
52.0057, 61.6247, 44.3914

Rectangle

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



49.9876, 61.6247, 88.6170



57.9932, 61.6247, 105.0048



68.0878, 61.6247, 49.3806



59.1555, 61.6247, 39.6282

Sweetspot

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



49.9895, 61.6271, 88.6184



82.1841, 90.8375, 107.8096



44.8264, 67.0233, 38.4273



17.1673, 19.1343, 23.0384



0.0000, 0.0000, 0.0000



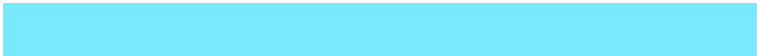
20.3446, 21.4041, 23.3091

Same Dimension

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



49.9895, 61.6271, 88.6184



54.8885, 69.4294, 105.1160



38.7343, 39.1167, 84.8667



15.2959, 16.6783, 19.3353



19.4861, 25.6192, 47.6609



1.5860, 2.1235, 3.7612

Inverse Universe

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



55.6311, 39.4517, 71.7032



62.6336, 40.5350, 81.5465



59.3201, 60.6239, 30.4067



15.6029, 15.2690, 18.4602



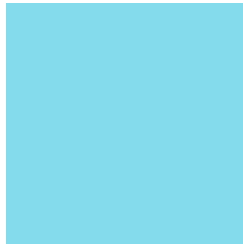
24.6910, 12.0791, 30.5038



1.9670, 0.9598, 2.5438

Previews

White Background



This preview shows how the XYZ color 49.9876, 61.6247, 88.6170 looks on a white background.

Color Contrast Check

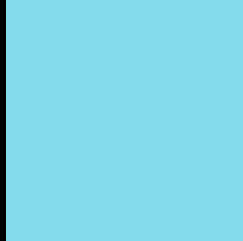
Large Text (above 18pt) WCAG AA × Fail

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 49.9876, 61.6247, 88.6170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

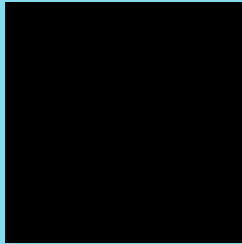
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9876, 61.6247, 88.6170

Background



This preview shows how black text looks on a background with the XYZ color 49.9876, 61.6247, 88.6170.

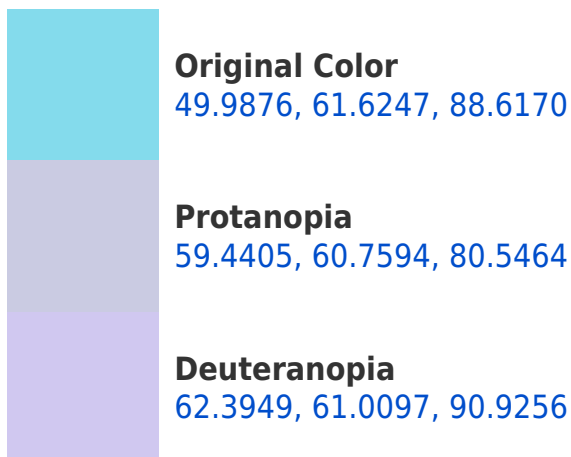


This preview shows how white text looks on a background with the XYZ color 49.9876, 61.6247,

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





Tritanopia

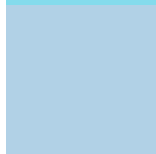
50.1333, 61.6830, 89.3845

Trichromacy



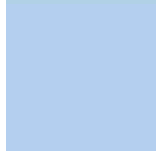
Original Color

49.9876, 61.6247, 88.6170



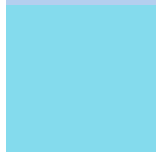
Protanomaly

55.2149, 60.6612, 83.6616



Deuteranomaly

56.7152, 60.5609, 90.3616



Tritanomaly

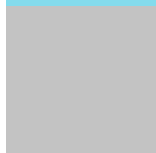
50.1333, 61.6830, 89.3845

Monochromacy



Original Color

49.9876, 61.6247, 88.6170



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

50.2390, 56.6095, 69.2516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9876, 61.6247, 88.6170 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, 219, 236)` looks like.

```
.text, #text, p{  
    color:rgb(132, 219, 236)  
}
```

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, 219, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 219, 236) }
```

Border

The CSS property to change the border of an element to XYZ 49.9876, 61.6247, 88.6170 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, 219, 236) }
```


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

```
.border{ border-color:rgb(132, 219, 236) }
```

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

Here you see how a box with a 4 pixel rgb(132, 219, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 219, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 219, 236);  
box-shadow:4px 4px 4px 4px rgb(132, 219,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9876, 61.6247, 88.6170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 219, 236) }
```

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

```
.background{ background-color: rgb(132,  
219, 236) }
```

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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