

Converting Colors

XYZ(47.7576, 61.5352, 64.8591)

Have a look what the booklet for
XYZ(47.7576, 61.5352, 64.8591)
contains.

XYZ(47.6374, 61.3327, 64.5860)	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(47.6374, 61.3327,
64.5860)**

Conversions

Conversions Part 1

Format	Color
Hex	90DCC9
RGB	144, 220, 201
RGB Percent	56%, 86%, 79%
CMY	0.4353, 0.1372, 0.2118
CMYK	0.35, 0.00, 0.09, 0.14
HSL	165°, 52%, 71%
HSV	165°, 35%, 86%
XYZ	47.6374, 61.3327, 64.5860
YIQ	195.1100, -39.1970, -22.0210

Conversions

Conversions Part 2

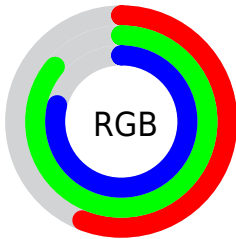
Format	Color
RYB	144, 187, 220
Decimal	9493705
CIELab	82.56, -27.65, 1.88
CIELCh	83, 27.713, 176.105
Yxy	61.3327, 0.2745, 0.3534
Android (android.graphics.Color)	4287683785 (0xFF90DCC9)
YUV	195.1100, 2.9038, -44.8235
Hunter-Lab	78.3152, -28.4740, 5.9246

Details

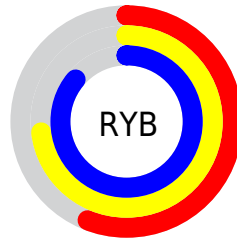
The XYZ color **47.6374, 61.3327, 64.5860** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.1014, 37.8081, 39.5206**, and the grayscale version is **51.9387, 54.6435, 59.5068**.

A 20% lighter version of the original color is **77.6294, 91.0194, 108.0847**, and **22.9380, 31.1905, 32.4152** is the 20% darker color. If you saturate the color by 10%, you get **43.5277, 59.2891, 61.0770**, and if you desaturate by 10%, it is **52.5225, 63.7765, 68.2549**.

Distribution



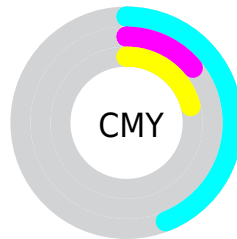
- Red (56%)
- Green (86%)
- Blue (79%)



- Red (56%)
- Yellow (73%)
- Blue (86%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (14%)





- Cyan (44%)
- Magenta (14%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6374, 61.3327, 64.5860 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 47.6374, 61.3327, 64.5860 by changing the saturation by 10% instead.

 47.6374, 61.3327,
64.5860

 47.6374, 61.3327,
64.5860

367.9596,
429.4928, 459.5682

 33.7499, 44.4937,
46.6762


 85.8773, 106.7605,
113.0620

 22.8635, 31.0588,
32.4273


 110.9603,
136.1181, 144.4654

 14.6129, 20.6437,
21.4206


140.5059,
170.4174, 181.2036

 8.6327, 12.8638,
13.2375

174.8794,
210.0428, 223.6954

 4.5576, 7.3348,
7.4597

214.4462,
255.3786, 272.3592

 2.0222, 3.6724,
3.6684

259.5716,

 0.6464, 1.4920,

306.8093, 327.6136

1.4453

310.6209,
364.7192, 389.8770

■ 0.0000, 0.2831,
0.1766

■ 0.0000, 0.0000,
0.0000

■ 47.6374, 61.3327,
64.5860

■ 47.6374, 61.3327,
64.5860

■ 43.5277, 59.2891,
61.0770

■ 52.5225, 63.7765,
68.2549

■ 40.1443, 57.6157,
57.7205

■ 58.2182, 66.6340,
72.0826

■ 37.4405, 56.2900,
54.5142

■ 64.7637, 69.9267,
76.0735

■ 35.3618, 55.2839,
51.4544

■ 72.1942, 73.6730,
80.2304

■ 33.8451, 54.5651,
48.5367

■ 80.5429, 77.8898,
84.5561

■ 32.8135, 54.0938,
45.7563

■ 81.6864, 78.3894,
88.6716

■ 32.3855, 53.9050,
44.2938

■ 82.4892, 78.7105,
92.8992

■ 83.3168, 79.0415,
97.2572

■ 84.1693, 79.3826,
101.7467

Harmonies

Analogous

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



49.3286, 61.3327, 50.1669



47.6374, 61.3327, 64.5860



48.6385, 61.3327, 82.2141

Triad

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



47.6374, 61.3327, 64.5860



63.4604, 61.3327, 100.6278



64.8914, 61.3327, 43.1658

Complementary

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



47.6374, 61.3327, 64.5860



46.1014, 37.8081, 39.5206

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.



69.1515, 61.3327, 53.4110



47.6374, 61.3327, 64.5860



68.2867, 61.3327, 86.7093

Square

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



47.6374, 61.3327, 64.5860



57.5234, 61.3327, 104.9704



70.4340, 61.3327, 69.0249



59.0733, 61.3327, 39.1994

Rectangle

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



47.6374, 61.3327, 64.5860



50.7373, 61.3327, 93.2011



70.4340, 61.3327, 69.0249



66.5680, 61.3327, 45.8947

Sweetspot

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



47.6391, 61.3352, 64.5874



85.2732, 95.0765, 103.1728



45.9941, 61.1235, 35.7605



17.9792, 20.2131, 21.9150



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.



47.6391, 61.3352, 64.5874



62.5439, 83.6961, 86.8846



45.6049, 53.4651, 75.6291



13.2985, 14.7710, 16.0349



19.0527, 31.6537, 26.2407



1.2680, 2.0641, 1.8772

Inverse Universe

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



46.1014, 37.8081, 39.5206



60.1133, 46.3746, 47.1641



47.4246, 42.9778, 32.1826



13.1889, 13.1047, 14.2561



17.7648, 9.1069, 3.1413



1.1854, 0.6038, 0.3853

Previews

White Background



This preview shows how the XYZ color 47.6374, 61.3327, 64.5860 looks on a white background.

Color Contrast Check

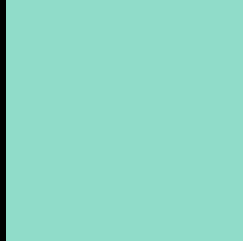
Large Text (above 18pt) WCAG AA × Fail

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 47.6374, 61.3327, 64.5860 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

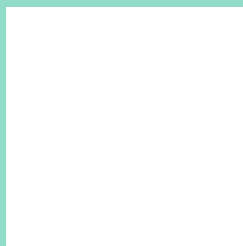
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6374, 61.3327, 64.5860

Background



This preview shows how black text looks on a background with the XYZ color 47.6374, 61.3327, 64.5860.



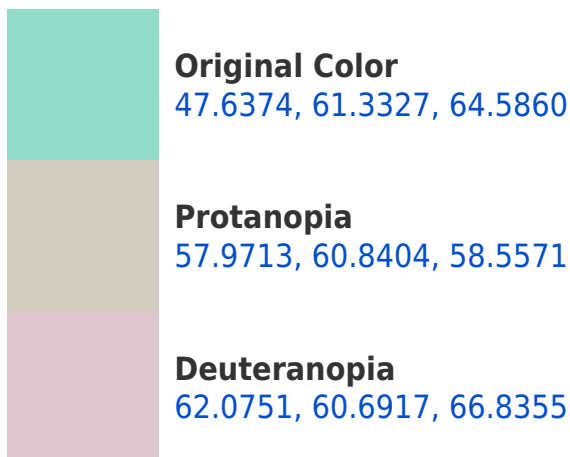
This preview shows how white text looks on a background with the XYZ color 47.6374, 61.3327,

64.5860.

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

51.7709, 61.0634, 86.1486

Trichromacy



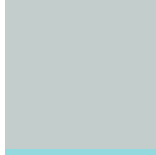
Original Color

47.6374, 61.3327, 64.5860



Protanomaly

53.3904, 60.5981, 60.5124



Deuteranomaly

55.4761, 60.1043, 65.8041



Tritanomaly

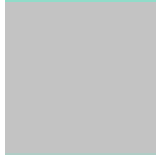
50.0767, 61.1421, 77.5689

Monochromacy



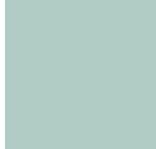
Original Color

47.6374, 61.3327, 64.5860



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.5754, 56.4471, 61.1058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6374, 61.3327, 64.5860 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(144, 220, 201)` looks like.

```
.text, #text, p{  
    color:rgb(144, 220, 201)  
}
```

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(144, 220, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 220, 201) }
```

Border

The CSS property to change the border of an element to XYZ 47.6374, 61.3327, 64.5860 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(144, 220, 201) }
```


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

```
.border{ border-color:rgb(144, 220, 201) }
```

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

Here you see how a box with a 4 pixel rgb(144, 220, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 220, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 220, 201);  
box-shadow:4px 4px 4px 4px rgb(144, 220,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6374, 61.3327, 64.5860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 220, 201) }
```

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

```
.background{ background-color: rgb(144,  
220, 201) }
```

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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