

Converting Colors

XYZ(47.2404, 61.9789, 61.6978)

Have a look what the booklet for
XYZ(47.2404, 61.9789, 61.6978)
contains.

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Color

**XYZ(47.2404, 61.9789,
61.6978)**

Conversions

Conversions Part 1

Format	Color
Hex	8EDEC4
RGB	142, 222, 196
RGB Percent	56%, 87%, 77%
CMY	0.4431, 0.1294, 0.2314
CMYK	0.36, 0.00, 0.12, 0.13
HSL	160°, 55%, 71%
HSV	160°, 36%, 87%
XYZ	47.2404, 61.9789, 61.6978
YIQ	195.1160, -39.3340, -25.0460

Conversions

Conversions Part 2

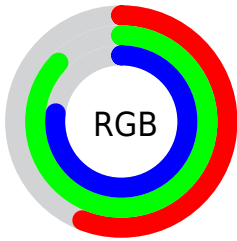
Format	Color
RYB	142, 190, 222
Decimal	9363140
CIELab	82.90, -30.24, 5.02
CIELCh	83, 30.656, 170.575
Yxy	61.9789, 0.2764, 0.3626
Android (android.graphics.Color)	4287553220 (0xFF8EDEC4)
YUV	195.1160, 0.4358, -46.5827
Hunter-Lab	78.7267, -30.6617, 8.6433

Details

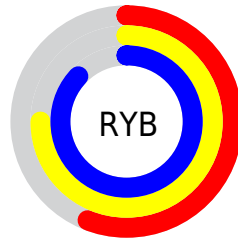
The XYZ color **47.2404, 61.9789, 61.6978** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.8672, 37.7043, 41.8557**, and the grayscale version is **51.9566, 54.6623, 59.5273**.

A 20% lighter version of the original color is **76.7783, 90.6176, 106.3728**, and **22.5432, 31.3001, 30.4446** is the 20% darker color. If you saturate the color by 10%, you get **43.0028, 59.8886, 57.3155**, and if you desaturate by 10%, it is **52.2796, 64.4811, 66.3265**.

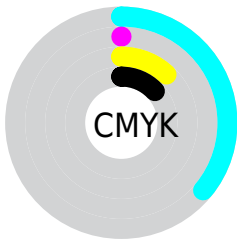
Distribution



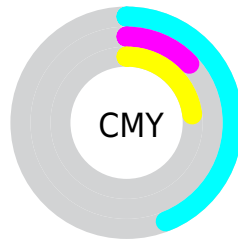
- Red (56%)
- Green (87%)
- Blue (77%)



- Red (56%)
- Yellow (75%)
- Blue (87%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (13%)





- Cyan (44%)
- Magenta (13%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2404, 61.9789, 61.6978 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 47.2404, 61.9789, 61.6978 by changing the saturation by 10% instead.


 47.2404, 61.9789,
61.6978


 47.2404, 61.9789,
61.6978


366.4062,
431.8541, 448.8051

 33.4345, 45.0157,
44.3543


 85.2889, 107.6950,
108.8560

 22.6203, 31.4698,
30.6099


 110.2622,
137.2167, 139.5078

 14.4326, 20.9568,
20.0460


139.6887,
171.6933, 175.4329

 8.5058, 13.0924,
12.2441

173.9337,
211.5092, 217.0497

 4.4748, 7.4922,
6.7856

213.3626,
257.0489, 264.7767

 1.9741, 3.7718,
3.2520

258.3408,

 0.6193, 1.5467,

308.6967, 319.0326

1.2247

309.2335,
366.8369, 380.2359

■ 0.0000, 0.3213,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2404, 61.9789,
61.6978

■ 47.2404, 61.9789,
61.6978

■ 43.0028, 59.8886,
57.3155

■ 52.2796, 64.4811,
66.3265

■ 39.5157, 58.1790,
53.1704

■ 58.1571, 67.4093,
71.2021

■ 36.7301, 56.8267,
49.2586

■ 64.9138, 70.7860,
76.3307

■ 34.5891, 55.8023,
45.5744

■ 72.5863, 74.6300,
81.7166

■ 33.0259, 55.0715,
42.1117

■ 81.2089, 78.9591,
87.3641

■ 31.9582, 54.5919,
38.8634

■ 82.9862, 79.7543,
92.9110

■ 31.6151, 54.4419,
37.6318

■ 84.0756, 80.1901,
98.6480

■ 85.2081, 80.6431,
104.6118

■ 85.4124, 80.7248,
105.6875

Harmonies

Analogous

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



49.6275, 61.9789, 46.9086



47.2404, 61.9789, 61.6978



47.7941, 61.9789, 81.1003

Triad

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



47.2404, 61.9789, 61.6978



63.4890, 61.9789, 107.6164



67.3542, 61.9789, 43.0935

Complementary

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



47.2404, 61.9789, 61.6978



46.8672, 37.7043, 41.8557

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.



71.6261, 61.9789, 55.4849



47.2404, 61.9789, 61.6978



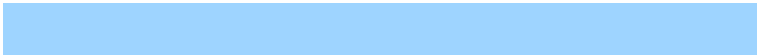
69.2813, 61.9789, 93.3384

Square

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



47.2404, 61.9789, 61.6978



56.8523, 61.9789, 110.1338



72.3565, 61.9789, 73.6221



61.0149, 61.9789, 37.5707

Rectangle

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



47.2404, 61.9789, 61.6978



49.7738, 61.9789, 94.0342



72.3565, 61.9789, 73.6221



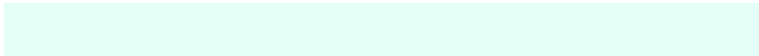
69.0989, 61.9789, 46.4712

Sweetspot

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



47.2421, 61.9814, 61.6992



84.0394, 94.4894, 100.9036



47.2965, 62.5964, 35.1816



17.7201, 20.0908, 21.3930



0.0000, 0.0000, 0.0000



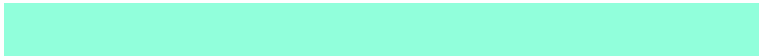
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2421, 61.9814, 61.6992



60.3326, 82.7051, 80.0511



47.0609, 56.4646, 77.5286



13.9172, 15.4926, 16.5991



18.8310, 32.3573, 22.6309



1.3458, 2.2590, 1.7822

Inverse Universe

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



46.8672, 37.7043, 41.8557



59.7583, 44.9537, 49.2375



46.7855, 41.0380, 31.0474



13.8900, 13.7736, 15.1907



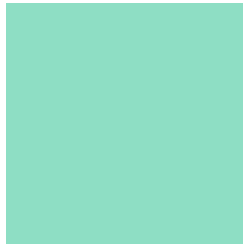
18.6364, 9.5216, 4.7512



1.3319, 0.6760, 0.5407

Previews

White Background



This preview shows how the XYZ color 47.2404, 61.9789, 61.6978 looks on a white background.

Color Contrast Check

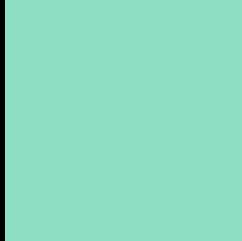
Large Text (above 18pt) WCAG AA × Fail

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 47.2404, 61.9789, 61.6978 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

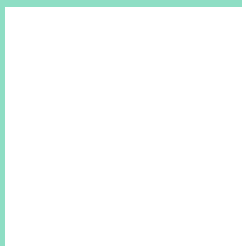
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2404, 61.9789, 61.6978

Background



This preview shows how black text looks on a background with the XYZ color 47.2404, 61.9789, 61.6978.



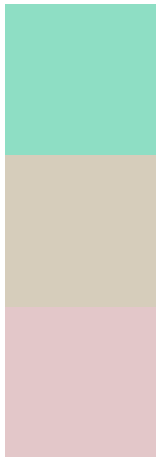
This preview shows how white text looks on a background with the XYZ color 47.2404, 61.9789, 61.6978.

61.6978.

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

47.2404, 61.9789, 61.6978

Protanopia

58.5325, 61.5466, 55.8084

Deuteranopia

62.6446, 61.3948, 63.8070



Tritanopia

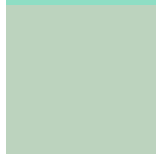
52.4266, 62.1455, 87.0740

Trichromacy



Original Color

47.2404, 61.9789, 61.6978



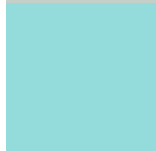
Protanomaly

53.3276, 60.9976, 57.6783



Deuteranomaly

55.3866, 60.4849, 62.7884



Tritanomaly

50.4625, 62.1262, 77.0421

Monochromacy



Original Color

47.2404, 61.9789, 61.6978



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

49.5861, 56.8329, 59.9861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2404, 61.9789, 61.6978 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(142, 222, 196)` looks like.

```
.text, #text, p{  
    color:rgb(142, 222, 196)  
}
```

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(142, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 222, 196) }
```

Border

The CSS property to change the border of an element to XYZ 47.2404, 61.9789, 61.6978 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(142, 222, 196) }
```


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

```
.border{ border-color:rgb(142, 222, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 222, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(142, 222,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2404, 61.9789, 61.6978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 222, 196) }
```

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

```
.background{ background-color: rgb(142,  
222, 196) }
```

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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