

Converting Colors

XYZ(47.5511, 53.2460, 64.2712)

Have a look what the booklet for
XYZ(47.5511, 53.2460, 64.2712)
contains.

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Color

**XYZ(47.5511, 53.2460,
64.2712)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC6CB
RGB	170, 198, 203
RGB Percent	67%, 78%, 80%
CMY	0.3333, 0.2235, 0.2039
CMYK	0.16, 0.02, 0.00, 0.20
HSL	189°, 24%, 73%
HSV	189°, 16%, 80%
XYZ	47.5511, 53.2460, 64.2712
YIQ	190.1980, -18.2930, -4.3810

Conversions

Conversions Part 2

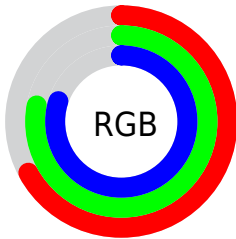
Format	Color
RYB	170, 185, 203
Decimal	11192011
CIELab	78.02, -8.33, -5.67
CIELCh	78, 10.076, 214.223
Yxy	53.2460, 0.2881, 0.3226
Android (android.graphics.Color)	4289382091 (0xFFAAC6CB)
YUV	190.1980, 6.3114, -17.7136
Hunter-Lab	72.9699, -11.3770, -1.1432

Details

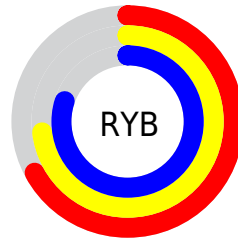
The XYZ color **47.5511, 53.2460, 64.2712** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.2146, 46.2586, 44.4714**, and the grayscale version is **49.0312, 51.5846, 56.1756**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **22.7342, 25.8984, 32.2344** is the 20% darker color. If you saturate the color by 10%, you get **42.8020, 49.7665, 63.8508**, and if you desaturate by 10%, it is **52.9953, 57.1077, 64.7305**.

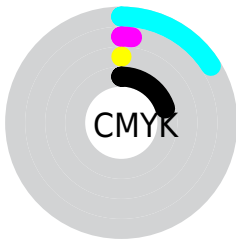
Distribution



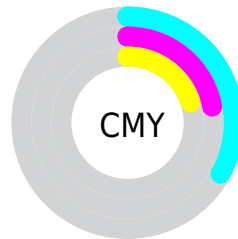
- Red (67%)
- Green (78%)
- Blue (80%)



- Red (67%)
- Yellow (73%)
- Blue (80%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)



- Cyan (33%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5511, 53.2460, 64.2712 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 47.5511, 53.2460, 64.2712 by changing the saturation by 10% instead.

■ 47.5511, 53.2460,
64.2712

■ 47.5511, 53.2460,
64.2712

367.6223,
399.2282, 458.4027

■ 33.6813, 37.9992,
46.4228

■ 85.7494, 94.9663,
112.6046

■ 22.8106, 25.9821,
32.2285

110.8086,
122.2085, 143.9267

■ 14.5736, 16.8102,
21.2698

140.3284,
154.2180, 180.5771

■ 8.6051, 10.0993,
13.1282

174.6740,
191.3791, 222.9744

■ 4.5395, 5.4648,
7.3851

214.2108,
234.0763, 271.5370

■ 2.0117, 2.5225,
3.6220

259.3043,

■ 0.6405, 0.8879,

282.6940, 326.6836

1.4204

310.3196,
337.6165, 388.8326

■ 0.0000, 0.0000,
0.1575

■ 0.0000, 0.0000,
0.0000

■ 47.5511, 53.2460,
64.2712

■ 47.5511, 53.2460,
64.2712

■ 42.8020, 49.7665,
63.8508

■ 52.9953, 57.1077,
64.7305

■ 38.7121, 46.6466,
63.4641

■ 59.1588, 61.3602,
65.2265

■ 35.2496, 43.8710,
63.1109

■ 66.0708, 66.0199,
65.7616

■ 32.3779, 41.4208,
62.7893

■ 73.7571, 71.1004,
66.3371

■ 30.0567, 39.2750,
62.4974

■ 75.9082, 73.3490,
66.6577

■ 28.2406, 37.4102,
62.2332

■ 76.6906, 74.9138,
66.9185

■ 26.8766, 35.7989,
61.9941

■ 77.4877, 76.5080,
67.1842

■ 25.8974, 34.4062,
61.7769

■ 78.2997, 78.1320,
67.4549

■ 25.5819, 33.9163,
61.6989

■ 79.1266, 79.7857,
67.7305

Harmonies

Analogous

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



46.9366, 53.2460, 58.7755



47.5511, 53.2460, 64.2712



48.9848, 53.2460, 68.2663

Triad

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



47.5511, 53.2460, 64.2712



54.0847, 53.2460, 62.8056



50.3313, 53.2460, 47.8486

Complementary

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



47.5511, 53.2460, 64.2712



47.2146, 46.2586, 44.4714

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.



52.2682, 53.2460, 48.7752



47.5511, 53.2460, 64.2712



54.4676, 53.2460, 57.1834

Square

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



47.5511, 53.2460, 64.2712



52.7616, 53.2460, 67.3825



53.7947, 53.2460, 52.1056



48.5152, 53.2460, 49.4881

Rectangle

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



47.5511, 53.2460, 64.2712



50.2297, 53.2460, 69.4110



53.7947, 53.2460, 52.1056



50.9897, 53.2460, 47.8711

Sweetspot

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



47.5527, 53.2482, 64.2724



89.9010, 96.4358, 108.4834



45.6673, 54.3520, 48.6167



19.0930, 20.5369, 23.2077



0.0000, 0.0000, 0.0000



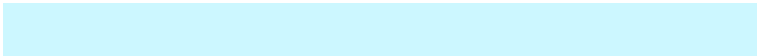
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5527, 53.2482, 64.2724



76.2974, 86.7485, 107.3306



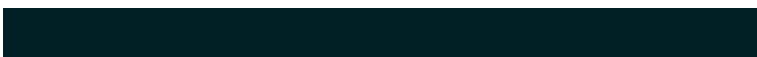
43.9939, 46.1306, 63.0861



11.3929, 12.4263, 14.3684



16.3334, 21.6908, 39.2822



0.8828, 1.1994, 2.0399

Inverse Universe

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



49.1976, 45.5242, 59.6227



79.6642, 71.1783, 97.7600



50.6143, 53.0579, 45.6046



11.6117, 11.3734, 13.7558



20.4553, 9.9927, 25.9138



1.0756, 0.5236, 1.4437

Previews

White Background



This preview shows how the XYZ color 47.5511, 53.2460, 64.2712 looks on a white background.

Color Contrast Check

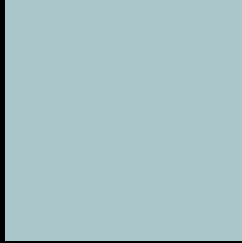
Large Text (above 18pt) WCAG AA × Fail

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 47.5511, 53.2460, 64.2712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

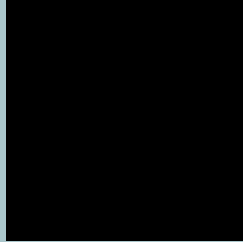
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5511, 53.2460, 64.2712

Background



This preview shows how black text looks on a background with the XYZ color 47.5511, 53.2460, 64.2712.



This preview shows how white text looks on a background with the XYZ color 47.5511, 53.2460,

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

47.5511, 53.2460, 64.2712

Protanopia

51.1877, 52.8545, 61.5369

Deuteranopia

53.9666, 52.9276, 65.1293



Tritanopia

48.8632, 53.4566, 70.0302

Trichromacy



Original Color

47.5511, 53.2460, 64.2712

Protanomaly

49.7247, 53.0680, 62.2660

Deuteranomaly

51.2681, 52.8277, 64.6214

Tritanomaly

48.2695, 53.1939, 68.0450

Monochromacy



Original Color

47.5511, 53.2460, 64.2712

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.4487, 52.1473, 59.1417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5511, 53.2460, 64.2712 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(170, 198, 203)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 203)  
}
```

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(170, 198, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 203) }
```

Border

The CSS property to change the border of an element to XYZ 47.5511, 53.2460, 64.2712 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(170, 198, 203) }
```


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

```
.border{ border-color:rgb(170, 198, 203) }
```

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

Here you see how a box with a 4 pixel rgb(170, 198, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 203);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5511, 53.2460, 64.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 203) }
```

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

```
.background{ background-color: rgb(170,  
198, 203) }
```

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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