

Converting Colors

XYZ(53.2887, 48.7959, 77.7197)

Have a look what the booklet for
XYZ(53.2887, 48.7959, 77.7197)
contains.

XYZ(53.2777, 48.6527, 77.8170)	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(53.2777, 48.6527,
77.8170)**

Conversions

Conversions Part 1

Format	Color
Hex	CAAFE1
RGB	202, 175, 225
RGB Percent	79%, 69%, 88%
CMY	0.2078, 0.3137, 0.1176
CMYK	0.10, 0.22, 0.00, 0.12
HSL	272°, 45%, 78%
HSV	272°, 22%, 88%
XYZ	53.2777, 48.6527, 77.8170
YIQ	188.7730, 0.0420, 21.2740

Conversions

Conversions Part 2

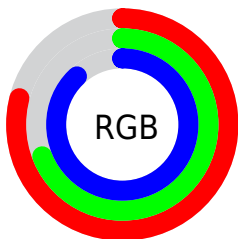
Format	Color
R_{YB}	202, 175, 225
Decimal	13283297
CIE _{Lab}	75.23, 19.01, -21.51
CIE _{LCh}	75, 28.707, 311.463
Yxy	48.6527, 0.2964, 0.2707
Android (android.graphics.Color)	4291473377 (0xFFCAA _{FE} 1)
YUV	188.7730, 17.8599, 11.6001
Hunter-Lab	69.7515, 14.2771, -17.3198

Details

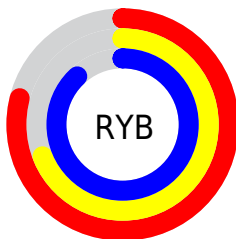
The XYZ color **53.2777, 48.6527, 77.8170** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **57.9533, 68.9525, 50.8143**, and the grayscale version is **48.1426, 50.6498, 55.1576**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **26.4280, 23.1172, 41.0994** is the 20% darker color. If you saturate the color by 10%, you get **46.5511, 39.2178, 76.3512**, and if you desaturate by 10%, it is **60.9248, 59.6477, 79.5370**.

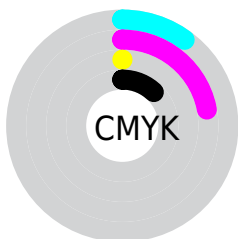
Distribution



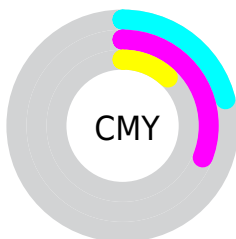
- Red (79%)
- Green (69%)
- Blue (88%)



- Red (79%)
- Yellow (69%)
- Blue (88%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (12%)



- Cyan (21%)
- Magenta (31%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2777, 48.6527, 77.8170 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 53.2777, 48.6527, 77.8170 by changing the saturation by 10% instead.

■ 53.2777, 48.6527,
77.8170

■ 53.2777, 48.6527,
77.8170

389.5931,
381.3735, 507.0566

■ 38.2529, 34.3441,
57.4081

■ 94.1760, 88.1754,
132.0756

■ 26.3571, 23.1580,
40.9214

120.7802,
114.1583, 166.7625

■ 17.2251, 14.7102,
27.9385

151.9749,
144.8014, 207.0457

■ 10.4914, 8.6163,
18.0406

188.1254,
180.4890, 253.3438

■ 5.7907, 4.4918,
10.8094

229.5971,
221.6057, 306.0755

■ 2.7577, 1.9523,
5.8263

276.7554,

■ 1.0270, 0.5795,

268.5357, 365.6591

2.6727

329.9656,
321.6635, 432.5133

■ 0.0000, 0.0000,
0.9296

■ 0.0000, 0.0000,
0.0000

■ 53.2777, 48.6527,
77.8170

■ 53.2777, 48.6527,
77.8170

■ 46.5511, 39.2178,
76.3512

■ 60.9248, 59.6477,
79.5370

■ 40.7008, 31.2629,
75.1241

■ 69.5250, 72.2658,
81.5192

■ 35.6851, 24.7095,
74.1235

■ 79.1148, 86.5739,
83.7755

■ 31.4572, 19.4696,
73.3349

■ 86.4522, 96.0828,
85.2242

■ 27.9648, 15.4444,
72.7421

■ 90.1336, 97.9806,
85.3965

■ 25.1481, 12.5209,
72.3262

■ 90.5907, 98.2163,
85.4179

■ 22.9362, 10.5633,
72.0649

■ 21.5459, 9.5374,
71.9402

Harmonies

Analogous

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



48.2848, 48.6527, 86.7862



53.2777, 48.6527, 77.8170



56.5244, 48.6527, 62.7406

Triad

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



53.2777, 48.6527, 77.8170



49.5378, 48.6527, 29.9598



37.0110, 48.6527, 58.9499

Complementary

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



53.2777, 48.6527, 77.8170



57.9533, 68.9525, 50.8143

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.



37.2905, 48.6527, 44.2784



53.2777, 48.6527, 77.8170



44.2594, 48.6527, 29.3308

Square

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



53.2777, 48.6527, 77.8170



54.2547, 48.6527, 35.9977



39.8564, 48.6527, 34.0769



39.0614, 48.6527, 74.5924

Rectangle

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



53.2777, 48.6527, 77.8170



57.1234, 48.6527, 52.2376



39.8564, 48.6527, 34.0769



36.8400, 48.6527, 53.7183

Sweetspot

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



53.2792, 48.6547, 77.8181



86.6610, 87.6111, 106.9508



51.5419, 55.0927, 79.1523



18.4007, 18.5348, 22.8577



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.



53.2792, 48.6547, 77.8181



66.1732, 58.1412, 102.3424



59.7469, 52.0151, 76.9396



13.6556, 13.6060, 17.2942



12.5520, 5.5661, 41.4612



0.9730, 0.4389, 2.8787

Inverse Universe

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



56.5759, 50.7467, 60.2413



71.4621, 61.4937, 74.3104



52.5087, 66.1266, 51.4194



13.9682, 13.8049, 15.6026



19.3761, 9.8174, 8.6462



1.3879, 0.6984, 0.8353

Previews

White Background



This preview shows how the XYZ color 53.2777, 48.6527, 77.8170 looks on a white background.

Color Contrast Check

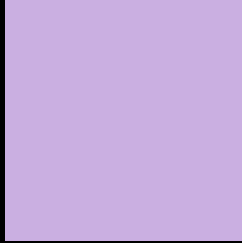
Large Text (above 18pt) WCAG AA × Fail

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 53.2777, 48.6527, 77.8170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

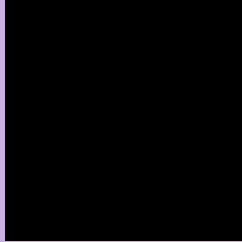
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.2777, 48.6527, 77.8170

Background



This preview shows how black text looks on a background with the XYZ color 53.2777, 48.6527, 77.8170.



This preview shows how white text looks on a background with the XYZ color 53.2777, 48.6527,

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

53.2777, 48.6527, 77.8170

Protanopia

49.0199, 49.0492, 82.4851

Deuteranopia

49.7456, 48.6199, 77.2837



Tritanopia

49.1975, 48.4530, 58.3891

Trichromacy



Original Color

53.2777, 48.6527, 77.8170

Protanomaly

50.4339, 48.8952, 80.9083

Deuteranomaly

51.0605, 48.6984, 77.2296

Tritanomaly

50.6142, 48.4391, 65.0746

Monochromacy



Original Color

53.2777, 48.6527, 77.8170

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

50.0493, 50.0146, 62.8930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2777, 48.6527, 77.8170 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(202, 175, 225)` looks like.

```
.text, #text, p{  
    color:rgb(202, 175, 225)  
}
```

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(202, 175, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 175, 225) }
```

Border

The CSS property to change the border of an element to XYZ 53.2777, 48.6527, 77.8170 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(202, 175, 225) }
```


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

```
.border{ border-color:rgb(202, 175, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 175, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 175, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 175, 225);  
box-shadow:4px 4px 4px 4px rgb(202, 175,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2777, 48.6527, 77.8170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 175, 225) }
```

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

```
.background{ background-color: rgb(202,  
175, 225) }
```

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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