

Converting Colors

XYZ(27.5493, 36.4028, 52.0224)

Have a look what the booklet for
XYZ(27.5493, 36.4028, 52.0224)
contains.

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Color

**XYZ(27.6456, 36.5672,
52.0555)**

Conversions

Conversions Part 1

Format	Color
Hex	4DB1BA
RGB	77, 177, 186
RGB Percent	30%, 69%, 73%
CMY	0.6980, 0.3059, 0.2706
CMYK	0.59, 0.05, 0.00, 0.27
HSL	185°, 44%, 52%
HSV	185°, 59%, 73%
XYZ	27.6456, 36.5672, 52.0555
YIQ	148.1260, -62.4890, -18.4010

Conversions

Conversions Part 2

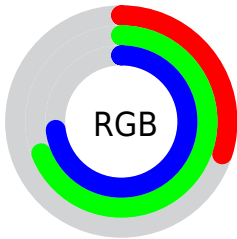
Format	Color
RYB	77, 129, 186
Decimal	5091770
CIELab	66.95, -26.26, -13.37
CIElCh	67, 29.471, 206.974
Yxy	36.5672, 0.2378, 0.3145
Android (android.graphics.Color)	4283281850 (0xFF4DB1BA)
YUV	148.1260, 18.6719, -62.3775
Hunter-Lab	60.4708, -24.2186, -8.7094

Details

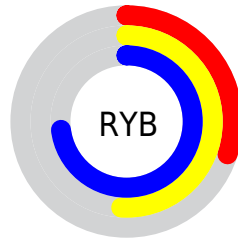
The XYZ color **27.6456, 36.5672, 52.0555** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **24.9178, 17.6313, 9.1120**, and the grayscale version is **28.1451, 29.6109, 32.2463**.

A 20% lighter version of the original color is **55.3193, 69.9229, 94.5852**, and **11.4413, 16.1088, 24.6966** is the 20% darker color. If you saturate the color by 10%, you get **26.0527, 35.2991, 51.8953**, and if you desaturate by 10%, it is **29.6732, 38.0661, 52.2386**.

Distribution



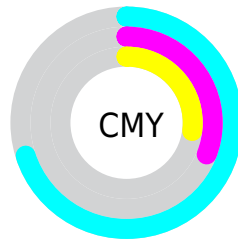
- Red (30%)
- Green (69%)
- Blue (73%)



- Red (30%)
- Yellow (51%)
- Blue (73%)



- Cyan (59%)
- Magenta (5%)
- Yellow (0%)
- Black (27%)



- Cyan (70%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6456, 36.5672, 52.0555 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 27.6456, 36.5672, 52.0555 by changing the saturation by 10% instead.

■ 27.6456, 36.5672,
52.0555

■ 27.6456, 36.5672,
52.0555

282.8805,
331.4329, 411.6139

■ 18.1978, 24.8726,
36.6668

■ 55.3307, 69.9066,
94.6405

■ 11.1926, 15.9821,
24.6558

■ 74.2987, 92.3202,
122.6738

■ 6.2648, 9.5115,
15.6041

■ 97.1709, 119.0756,
155.7592

■ 3.0489, 5.0763,
9.0932

■ 124.3124,
150.5571, 194.3149

■ 1.1797, 2.2921,
4.7044

156.0888,
187.1492, 238.7598

■ 0.0902, 0.7695,
2.0192

192.8654,

■ 0.0000, 0.0000,

229.2363, 289.5122

0.5670

235.0075,
277.2027, 346.9907

■ 0.0000, 0.0000,
0.0000

■ 27.6456, 36.5672,
52.0555

■ 27.6456, 36.5672,
52.0555

■ 26.0527, 35.2991,
51.8953

■ 29.6732, 38.0661,
52.2386

■ 24.8534, 34.2381,
51.7538

■ 32.1654, 39.8088,
52.4436

■ 24.0047, 33.3629,
51.6296

■ 35.1533, 41.8121,
52.6728

■ 23.4322, 32.6351,
51.5193

■ 38.6644, 44.0903,
52.9275

■ 23.3591, 32.5372,
51.5042

■ 42.7241, 46.6564,
53.2088

■ 47.3562, 49.5227,
53.5180

■ 52.5830, 52.7008,
53.8559

■ 58.4258, 56.2016,
54.2237

■ 64.9046, 60.0355,
54.6222

Harmonies

Analogous

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



26.8608, 36.5672, 38.5301



27.6456, 36.5672, 52.0555



30.2793, 36.5672, 64.2222

Triad

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



27.6456, 36.5672, 52.0555



42.4710, 36.5672, 54.7932



35.2117, 36.5672, 19.9474

Complementary

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



27.6456, 36.5672, 52.0555



24.9178, 17.6313, 9.1120

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.



39.6536, 36.5672, 22.5392



27.6456, 36.5672, 52.0555



44.0640, 36.5672, 41.1291

Square

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



27.6456, 36.5672, 52.0555



38.8018, 36.5672, 66.0260



42.9917, 36.5672, 29.6623



31.0018, 36.5672, 21.6616

Rectangle

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



27.6456, 36.5672, 52.0555



32.8547, 36.5672, 68.9315



42.9917, 36.5672, 29.6623



36.7294, 36.5672, 20.3276

Sweetspot

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



27.6467, 36.5686, 52.0564



70.2878, 80.0477, 95.9476



22.2310, 37.3407, 14.4792



15.0440, 17.3489, 21.0983



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.6467, 36.5686, 52.0564



46.6000, 63.4542, 93.9932



19.1614, 19.5979, 49.2279



9.2016, 10.0803, 11.5402



15.7414, 21.9425, 34.6587



0.5737, 0.8112, 1.2281

Inverse Universe

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



30.8403, 18.9222, 43.6233



53.1034, 29.2594, 76.4298



30.7890, 29.3737, 11.0691



9.3481, 9.1496, 11.1804



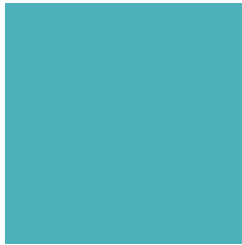
18.5592, 8.9974, 26.6293



0.6638, 0.3210, 0.9888

Previews

White Background



This preview shows how the XYZ color 27.6456, 36.5672, 52.0555 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 27.6456, 36.5672, 52.0555 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

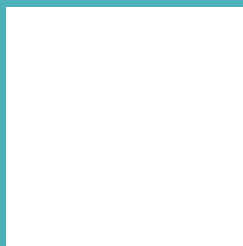
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6456, 36.5672, 52.0555

Background



This preview shows how black text looks on a background with the XYZ color 27.6456, 36.5672, 52.0555.



This preview shows how white text looks on a background with the XYZ color 27.6456, 36.5672,

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

27.6456, 36.5672, 52.0555

Protanopia

35.2793, 36.2014, 46.2024

Deuteranopia

36.8310, 36.0639, 53.7350



Tritanopia

28.1538, 36.4745, 54.8466

Trichromacy



Original Color

27.6456, 36.5672, 52.0555



Protanomaly

31.2629, 35.6785, 48.4189



Deuteranomaly

32.1562, 35.4899, 53.2995



Tritanomaly

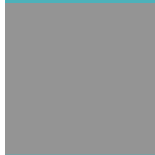
27.8525, 36.3445, 53.6913

Monochromacy



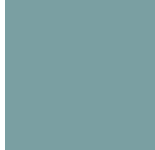
Original Color

27.6456, 36.5672, 52.0555



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

26.9458, 31.5425, 38.8505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6456, 36.5672, 52.0555 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(77, 177, 186)` looks like.

```
.text, #text, p{  
    color:rgb(77, 177, 186)  
}
```

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(77, 177, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 177, 186) }
```

Border

The CSS property to change the border of an element to XYZ 27.6456, 36.5672, 52.0555 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(77, 177, 186) }
```


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

```
.border{ border-color:rgb(77, 177, 186) }
```

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

Here you see how a box with a 4 pixel rgb(77, 177, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 177, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 177, 186);  
box-shadow:4px 4px 4px 4px rgb(77, 177,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6456, 36.5672, 52.0555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 177, 186) }
```

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

```
.background{ background-color: rgb(77, 177,  
186) }
```

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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