

Converting Colors

XYZ(27.8508, 33.0316, 53.6430)

Have a look what the booklet for
XYZ(27.8508, 33.0316, 53.6430)
contains.

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Color

**XYZ(27.8253, 32.9779,
53.6140)**

Conversions

Conversions Part 1

Format	Color
Hex	64A4BE
RGB	100, 164, 190
RGB Percent	39%, 64%, 75%
CMY	0.6078, 0.3569, 0.2549
CMYK	0.47, 0.14, 0.00, 0.25
HSL	197°, 41%, 57%
HSV	197°, 47%, 75%
XYZ	27.8253, 32.9779, 53.6140
YIQ	147.8280, -46.4900, -5.4820

Conversions

Conversions Part 2

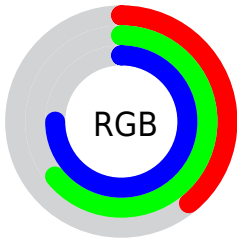
Format	Color
RYB	100, 137, 190
Decimal	6595774
CIELab	64.14, -13.44, -19.75
CIELCh	64, 23.895, 235.761
Yxy	32.9779, 0.2432, 0.2882
Android (android.graphics.Color)	4284785854 (0xFF64A4BE)
YUV	147.8280, 20.7908, -41.9452
Hunter-Lab	57.4264, -14.0060, -15.1554

Details

The XYZ color **27.8253, 32.9779, 53.6140** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.9973, 26.7901, 15.5951**, and the grayscale version is **28.0077, 29.4662, 32.0887**.

A 20% lighter version of the original color is **55.4836, 64.2854, 96.6728**, and **11.3058, 13.9081, 25.7556** is the 20% darker color. If you saturate the color by 10%, you get **25.0028, 30.0966, 53.2072**, and if you desaturate by 10%, it is **31.1824, 36.1991, 54.0594**.

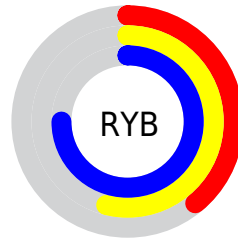
Distribution



Red (39%)

Green (64%)

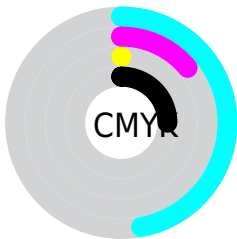
Blue (75%)



Red (39%)

Yellow (54%)

Blue (75%)

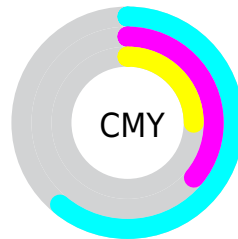


Cyan (47%)

Magenta (14%)

Yellow (0%)

Black (25%)



Cyan (61%)

Magenta (36%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8253, 32.9779, 53.6140 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 27.8253, 32.9779, 53.6140 by changing the saturation by 10% instead.

■ 27.8253, 32.9779,
53.6140

■ 27.8253, 32.9779,
53.6140

283.7264,
315.5501, 417.7693

■ 18.3338, 22.1095,
37.9021

■ 55.6160, 64.3410,
96.9579

■ 11.2910, 13.9374,
25.6055

■ 74.6459, 85.6046,
125.4270

■ 6.3317, 8.0771,
16.3056

■ 97.5860, 111.1019,
158.9856

■ 3.0904, 4.1443,
9.5840

■ 124.8016,
141.2175, 198.0521

■ 1.2017, 1.7546,
5.0220

156.6581,
176.3357, 243.0453

■ 0.1077, 0.4587,
2.2012

193.5208,

■ 0.0000, 0.0000,

216.8410, 294.3835

0.6751

235.7551,
263.1177, 352.4853

■ 0.0000, 0.0000,
0.0000

■ 27.8253, 32.9779,
53.6140

■ 27.8253, 32.9779,
53.6140

■ 25.0028, 30.0966,
53.2072

■ 31.1824, 36.1991,
54.0594

■ 22.6766, 27.5326,
52.8349

■ 35.1026, 39.7737,
54.5428

■ 20.8081, 25.2659,
52.4959

■ 39.6161, 43.7186,
55.0663

■ 19.3512, 23.2720,
52.1878

■ 44.7501, 48.0485,
55.6315

■ 18.2400, 21.5160,
51.9074

■ 50.5298, 52.7773,
56.2396

■ 17.9740, 21.0771,
51.8367

■ 56.9792, 57.9180,
56.8919

■ 64.1208, 63.4829,
57.5897

■ 71.9761, 69.4837,
58.3339

■ 74.4299, 72.7688,
58.8387

Harmonies

Analogous

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



25.8438, 32.9779, 44.6273



27.8253, 32.9779, 53.6140



30.8661, 32.9779, 57.8730

Triad

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



27.8253, 32.9779, 53.6140



38.2890, 32.9779, 37.3021



28.6017, 32.9779, 21.6074

Complementary

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



27.8253, 32.9779, 53.6140



30.9973, 26.7901, 15.5951

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.



31.8278, 32.9779, 20.3494



27.8253, 32.9779, 53.6140



37.5751, 32.9779, 28.4044

Square

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



27.8253, 32.9779, 53.6140



37.0351, 32.9779, 47.4416



35.1486, 32.9779, 22.6039



26.2689, 32.9779, 26.4127

Rectangle

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



27.8253, 32.9779, 53.6140



33.1447, 32.9779, 56.9849



35.1486, 32.9779, 22.6039



29.6107, 32.9779, 20.7974

Sweetspot

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



27.8263, 32.9792, 53.6148



74.5868, 81.6105, 100.1004



27.4037, 41.0305, 26.0466



15.9483, 17.5544, 21.9331



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.8263, 32.9792, 53.6148



45.0503, 54.2652, 96.3790



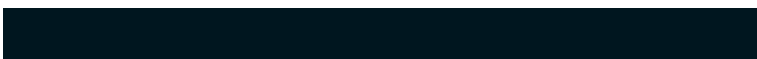
21.2074, 19.7413, 51.4085



9.5694, 10.3311, 12.1620



12.0216, 14.1549, 34.4915



0.5244, 0.6615, 1.3689

Inverse Universe

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



32.4942, 22.7430, 37.8003



54.8887, 34.7068, 62.5944



38.0049, 40.8055, 17.9310



9.8093, 9.6480, 11.3846



17.0687, 8.4586, 16.1873



0.6956, 0.3421, 0.7764

Previews

White Background



This preview shows how the XYZ color 27.8253, 32.9779, 53.6140 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 27.8253, 32.9779, 53.6140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

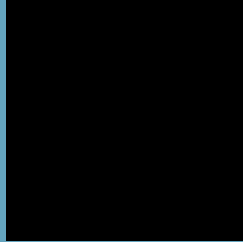
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.8253, 32.9779, 53.6140

Background



This preview shows how black text looks on a background with the XYZ color 27.8253, 32.9779, 53.6140.



This preview shows how white text looks on a background with the XYZ color 27.8253, 32.9779,

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

27.8253, 32.9779, 53.6140

Protanopia

32.3329, 32.5909, 49.3863

Deuteranopia

33.4316, 32.7908, 55.0193



Tritanopia

26.7027, 33.0685, 47.6233

Trichromacy



Original Color

27.8253, 32.9779, 53.6140

Protanomaly

30.2800, 32.4844, 51.1286

Deuteranomaly

30.9186, 32.4882, 54.5104

Tritanomaly

27.0394, 32.9258, 49.7299

Monochromacy



Original Color

27.8253, 32.9779, 53.6140

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.5265, 30.5808, 39.1022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8253, 32.9779, 53.6140 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(100, 164, 190)` looks like.

```
.text, #text, p{  
    color:rgb(100, 164, 190)  
}
```

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(100, 164, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 164, 190) }
```

Border

The CSS property to change the border of an element to XYZ 27.8253, 32.9779, 53.6140 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(100, 164, 190) }
```


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

```
.border{ border-color:rgb(100, 164, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 164, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 164, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 164, 190);  
box-shadow:4px 4px 4px 4px rgb(100, 164,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8253, 32.9779, 53.6140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 164, 190) }
```

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

```
.background{ background-color: rgb(100,  
164, 190) }
```

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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