

Converting Colors

XYZ(17.6433, 22.9073, 40.2616)

Have a look what the booklet for
XYZ(17.6433, 22.9073, 40.2616)
contains.

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Color

**XYZ(17.5605, 22.8283,
40.0400)**

Conversions

Conversions Part 1

Format	Color
Hex	258FA7
RGB	37, 143, 167
RGB Percent	15%, 56%, 65%
CMY	0.8549, 0.4392, 0.3451
CMYK	0.78, 0.14, 0.00, 0.35
HSL	191°, 64%, 40%
HSV	191°, 78%, 65%
XYZ	17.5605, 22.8283, 40.0400
YIQ	114.0420, -70.8800, -15.0080

Conversions

Conversions Part 2

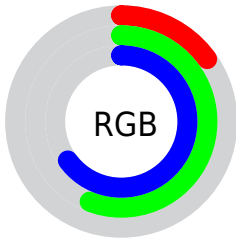
Format	Color
RYB	37, 95, 167
Decimal	2461607
CIELab	54.90, -20.81, -21.05
CIELCh	55, 29.601, 225.340
Yxy	22.8283, 0.2183, 0.2838
Android (android.graphics.Color)	4280651687 (0xFF258FA7)
YUV	114.0420, 26.1083, -67.5658
Hunter-Lab	47.7790, -18.0080, -16.2413

Details

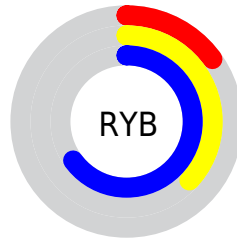
The XYZ color **17.5605, 22.8283, 40.0400** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.9399, 11.6877, 3.0616**, and the grayscale version is **15.9474, 16.7779, 18.2712**.

A 20% lighter version of the original color is **38.8600, 48.1495, 76.3529**, and **6.9217, 8.8921, 17.5712** is the 20% darker color. If you saturate the color by 10%, you get **16.6362, 21.6745, 39.8665**, and if you desaturate by 10%, it is **18.7730, 24.1504, 40.2317**.

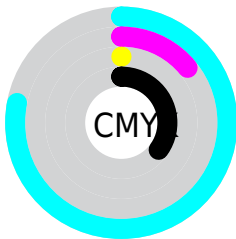
Distribution



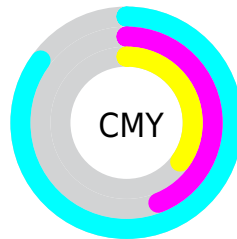
- Red (15%)
- Green (56%)
- Blue (65%)



- Red (15%)
- Yellow (37%)
- Blue (65%)



- Cyan (78%)
- Magenta (14%)
- Yellow (0%)
- Black (35%)



- Cyan (85%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5605, 22.8283, 40.0400 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 17.5605, 22.8283, 40.0400 by changing the saturation by 10% instead.

■ 17.5605, 22.8283,
40.0400

■ 17.5605, 22.8283,
40.0400

■ 231.4758,
266.8419, 361.8492

■ 10.7327, 14.4668,
27.2557

■ 38.8230, 48.1112,
76.4622

■ 5.9533, 8.4460,
17.5312

■ 53.9883, 65.8015,
100.9371

■ 2.8571, 4.3817,
10.4480

■ 72.6636, 87.3700,
130.1461

■ 1.0787, 1.8893,
5.5875

■ 95.2141, 113.2013,
164.5075

■ 0.0071, 0.5419,
2.5312

■ 122.0052,
143.6798, 204.4400

■ 0.0000, 0.0000,
0.8566

■ 153.4023,

■ 0.0000, 0.0000,

179.1897, 250.3621

0.0000

189.7707,
220.1156, 302.6923

■ 17.5605, 22.8283,
40.0400

■ 17.5605, 22.8283,
40.0400

■ 16.6362, 21.6745,
39.8665

■ 18.7730, 24.1504,
40.2317

■ 15.9427, 20.6580,
39.7068

■ 20.3048, 25.6557,
40.4415

■ 15.8031, 20.4461,
39.6732

■ 22.1851, 27.3599,
40.6714

■ 24.4393, 29.2761,
40.9224

■ 27.0902, 31.4163,
41.1958

■ 30.1590, 33.7915,
41.4925

■ 33.6650, 36.4119,
41.8135

■ 37.6265, 39.2871,
42.1597

■ 42.0608, 42.4259,
42.5318

Harmonies

Analogous

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



16.1673, 22.8283, 29.9458



17.5605, 22.8283, 40.0400



20.1406, 22.8283, 46.7388

Triad

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



17.5605, 22.8283, 40.0400



28.3872, 22.8283, 29.7122



20.0720, 22.8283, 11.1919

Complementary

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



17.5605, 22.8283, 40.0400



17.9399, 11.6877, 3.0616

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.



23.3329, 22.8283, 11.1594



17.5605, 22.8283, 40.0400



28.3640, 22.8283, 20.3786

Square

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



17.5605, 22.8283, 40.0400



26.4986, 22.8283, 39.8323



26.4383, 22.8283, 14.0972



17.5146, 22.8283, 14.2011

Rectangle

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



17.5605, 22.8283, 40.0400



22.2897, 22.8283, 47.5194



26.4383, 22.8283, 14.0972



21.1161, 22.8283, 10.8633

Sweetspot

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



17.5612, 22.8291, 40.0406



50.8520, 58.0919, 74.0079



15.4203, 28.3665, 9.0552



10.9641, 12.6752, 16.5208



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.5612, 22.8291, 40.0406



28.9192, 37.5547, 71.1999



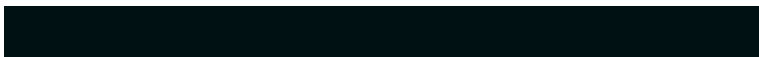
10.4753, 8.6571, 37.6786



7.6281, 8.2930, 9.6170



12.1256, 15.7114, 30.3690



0.3247, 0.4416, 0.7488

Inverse Universe

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



21.5565, 11.5226, 27.0754



36.9052, 18.3363, 44.5261



23.7107, 23.2294, 4.9852



7.7816, 7.6425, 9.1672



15.6210, 7.6571, 18.6138



0.3950, 0.1923, 0.5317

Previews

White Background



This preview shows how the XYZ color 17.5605, 22.8283, 40.0400 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5605, 22.8283, 40.0400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

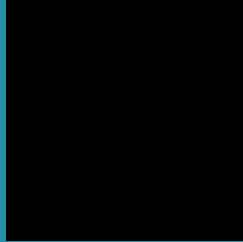
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.5605, 22.8283, 40.0400

Background



This preview shows how black text looks on a background with the XYZ color 17.5605, 22.8283, 40.0400.

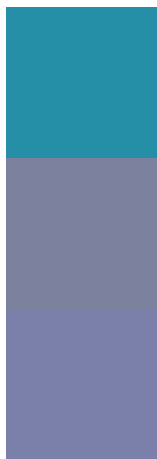


This preview shows how white text looks on a background with the XYZ color 17.5605, 22.8283,

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

17.5605, 22.8283, 40.0400

Protanopia

22.2482, 22.4199, 35.0532

Deuteranopia

23.0009, 22.4782, 41.1567



Tritanopia

16.6372, 22.9047, 35.4425

Trichromacy



Original Color

17.5605, 22.8283, 40.0400

Protanomaly

19.3718, 21.8987, 36.9241

Deuteranomaly

19.8633, 21.8638, 40.7093

Tritanomaly

16.9417, 22.7957, 37.2253

Monochromacy



Original Color

17.5605, 22.8283, 40.0400

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.4050, 18.3391, 24.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5605, 22.8283, 40.0400 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(37, 143, 167)` looks like.

```
.text, #text, p{  
    color:rgb(37, 143, 167)  
}
```

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(37, 143, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 143, 167) }
```

Border

The CSS property to change the border of an element to XYZ 17.5605, 22.8283, 40.0400 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(37, 143, 167) }
```


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

```
.border{ border-color:rgb(37, 143, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 143, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 143, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 143, 167);  
box-shadow:4px 4px 4px 4px rgb(37, 143,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5605, 22.8283, 40.0400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 143, 167) }
```

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

```
.background{ background-color: rgb(37, 143,  
167) }
```

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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