

Converting Colors

XYZ(16.8723, 22.1669, 38.1533)

Have a look what the booklet for
XYZ(16.8723, 22.1669, 38.1533)
contains.

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Color

**XYZ(16.7954, 22.0342,
38.0181)**

Conversions

Conversions Part 1

Format	Color
Hex	228DA3
RGB	34, 141, 163
RGB Percent	13%, 55%, 64%
CMY	0.8666, 0.4471, 0.3608
CMYK	0.79, 0.13, 0.00, 0.36
HSL	190°, 65%, 39%
HSV	190°, 79%, 64%
XYZ	16.7954, 22.0342, 38.0181
YIQ	111.5150, -70.8340, -15.8420

Conversions

Conversions Part 2

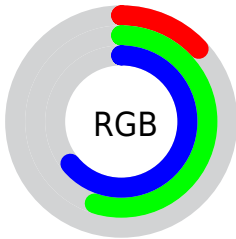
Format	Color
R_{YB}	34, 92, 163
Decimal	2264483
CIE _{Lab}	54.06, -21.42, -20.04
CIE _{LCh}	54, 29.328, 223.088
Yxy	22.0342, 0.2186, 0.2867
Android (android.graphics.Color)	4280454563 (0xFF228DA3)
YUV	111.5150, 25.3821, -67.9807
Hunter-Lab	46.9406, -18.2785, -15.1617

Details

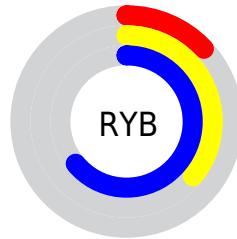
The XYZ color **16.7954, 22.0342, 38.0181** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.8079, 10.7313, 2.6996**, and the grayscale version is **15.2034, 15.9952, 17.4187**.

A 20% lighter version of the original color is **37.5368, 46.8589, 73.3959**, and **6.6103, 8.6299, 16.3563** is the 20% darker color. If you saturate the color by 10%, you get **15.9754, 21.0110, 37.8642**, and if you desaturate by 10%, it is **17.8819, 23.2109, 38.1884**.

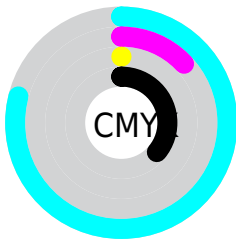
Distribution



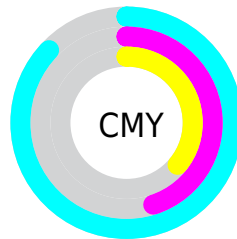
- Red (13%)
- Green (55%)
- Blue (64%)



- Red (13%)
- Yellow (36%)
- Blue (64%)



- Cyan (79%)
- Magenta (13%)
- Yellow (0%)
- Black (36%)



- Cyan (87%)
- Magenta (45%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7954, 22.0342, 38.0181 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 16.7954, 22.0342, 38.0181 by changing the saturation by 10% instead.

■ 16.7954, 22.0342,
38.0181

■ 16.7954, 22.0342,
38.0181

■ 227.1699,
262.7248, 352.9981

■ 10.1831, 13.8820,
25.6948

■ 37.5201, 46.8025,
73.3396

■ 5.5837, 8.0387,
16.3717

■ 52.3632, 64.1875,
97.1749

■ 2.6319, 4.1197,
9.6304

■ 70.6806, 85.4188,
125.6846

■ 0.9622, 1.7407,
5.0522

■ 92.8377, 110.8809,
159.2872

■ 0.0000, 0.4498,
2.2187

■ 119.1998,
140.9581, 198.4014

■ 0.0000, 0.0000,
0.6851

■ 150.1323,

■ 0.0000, 0.0000,

176.0349, 243.4455

0.0000

186.0005,
216.4957, 294.8383

■ 16.7954, 22.0342,
38.0181

■ 16.7954, 22.0342,
38.0181

■ 15.9754, 21.0110,
37.8642

■ 17.8819, 23.2109,
38.1884

■ 15.3544, 20.1051,
37.7221

■ 19.2647, 24.5553,
38.3750

■ 15.3031, 20.0288,
37.7101

■ 20.9718, 26.0825,
38.5798

■ 23.0274, 27.8048,
38.8039

■ 25.4533, 29.7338,
39.0484

■ 28.2695, 31.8797,
39.3142

■ 31.4945, 34.2524,
39.6021

■ 35.1456, 36.8607,
39.9132

■ 39.2391, 39.7132,
40.2480

Harmonies

Analogous

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



15.5442, 22.0342, 28.1702



16.7954, 22.0342, 38.0181



19.2176, 22.0342, 44.8946

Triad

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



16.7954, 22.0342, 38.0181



27.3398, 22.0342, 29.4423



19.5913, 22.0342, 10.6787

Complementary

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



16.7954, 22.0342, 38.0181



16.8079, 10.7313, 2.6996

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.



22.7684, 22.0342, 10.8555



16.7954, 22.0342, 38.0181



27.4658, 22.0342, 20.2479

Square

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



16.7954, 22.0342, 38.0181



25.3936, 22.0342, 39.1497



25.7224, 22.0342, 13.9246



17.0451, 22.0342, 13.3588

Rectangle

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



16.7954, 22.0342, 38.0181



21.2733, 22.0342, 46.0128



25.7224, 22.0342, 13.9246



20.6158, 22.0342, 10.4308

Sweetspot

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



16.7961, 22.0350, 38.0186



47.8610, 55.0035, 70.1503



14.4592, 26.8156, 8.0925



10.3749, 12.0659, 15.7197



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.7961, 22.0350, 38.0186



27.7653, 36.3905, 67.6168



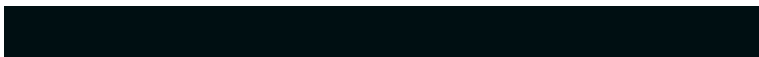
9.9253, 8.2933, 35.7284



7.1729, 7.8047, 9.0315



11.9221, 15.6235, 29.3171



0.2761, 0.3794, 0.6245

Inverse Universe

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



20.4846, 10.8544, 26.2156



35.1372, 17.3636, 43.2825



22.1102, 21.3360, 4.4670



7.3122, 7.1813, 8.6306



15.1632, 7.4213, 18.5818



0.3315, 0.1611, 0.4583

Previews

White Background



This preview shows how the XYZ color 16.7954, 22.0342, 38.0181 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 16.7954, 22.0342, 38.0181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

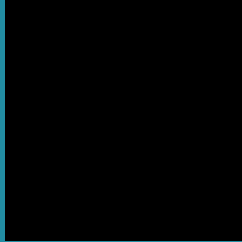
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7954, 22.0342, 38.0181

Background



This preview shows how black text looks on a background with the XYZ color 16.7954, 22.0342, 38.0181.



This preview shows how white text looks on a background with the XYZ color 16.7954, 22.0342,

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

16.7954, 22.0342, 38.0181

Protanopia

21.5075, 21.6896, 33.1899

Deuteranopia

22.2289, 21.7398, 39.1010



Tritanopia

15.8824, 21.8733, 33.9567

Trichromacy



Original Color

16.7954, 22.0342, 38.0181

Protanomaly

18.6515, 21.1610, 34.9997

Deuteranomaly

19.0277, 21.0731, 38.6620

Tritanomaly

16.2377, 22.0272, 35.2941

Monochromacy



Original Color

16.7954, 22.0342, 38.0181

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.8358, 17.6894, 24.1052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7954, 22.0342, 38.0181 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(34, 141, 163)` looks like.

```
.text, #text, p{  
    color:rgb(34, 141, 163)  
}
```

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(34, 141, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 141, 163) }
```

Border

The CSS property to change the border of an element to XYZ 16.7954, 22.0342, 38.0181 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(34, 141, 163) }
```


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

```
.border{ border-color:rgb(34, 141, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 141, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 141, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 141, 163);  
box-shadow:4px 4px 4px 4px rgb(34, 141,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7954, 22.0342, 38.0181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 141, 163) }
```

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

```
.background{ background-color: rgb(34, 141,  
163) }
```

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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