

Converting Colors

XYZ(16.2221, 22.0580, 33.5396)

Have a look what the booklet for
XYZ(16.2221, 22.0580, 33.5396)
contains.

XYZ(16.2221, 22.0580, 33.5396)	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(16.2221, 22.0580,
33.5396)**

Conversions

Conversions Part 1

Format	Color
Hex	268E99
RGB	38, 142, 153
RGB Percent	15%, 56%, 60%
CMY	0.8509, 0.4431, 0.4000
CMYK	0.75, 0.07, 0.00, 0.40
HSL	186°, 60%, 37%
HSV	186°, 75%, 60%
XYZ	16.2221, 22.0580, 33.5396
YIQ	112.1580, -65.5150, -18.6270

Conversions

Conversions Part 2

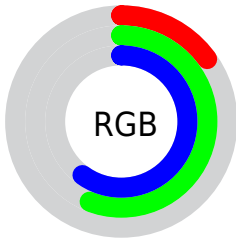
Format	Color
R_{YB}	38, 93, 153
Decimal	2526873
CIE _{Lab}	54.09, -24.76, -14.23
CIE _{LCh}	54, 28.555, 209.888
Yxy	22.0580, 0.2259, 0.3071
Android (android.graphics.Color)	4280716953 (0xFF268E99)
YUV	112.1580, 20.1351, -65.0366
Hunter-Lab	46.9659, -20.5363, -9.4644

Details

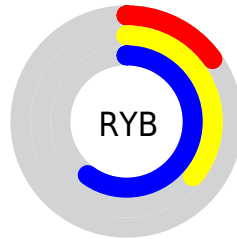
The XYZ color **16.2221, 22.0580, 33.5396** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.5856, 9.1096, 2.8240**, and the grayscale version is **15.4049, 16.2072, 17.6496**.

A 20% lighter version of the original color is **36.4819, 46.8096, 66.1438**, and **6.1394, 8.4415, 13.8762** is the 20% darker color. If you saturate the color by 10%, you get **15.5535, 21.3927, 33.4468**, and if you desaturate by 10%, it is **17.1268, 22.8502, 33.6452**.

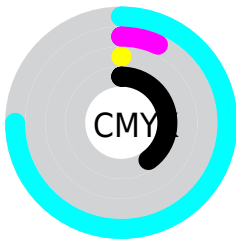
Distribution



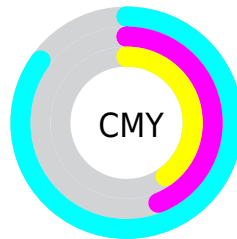
- Red (15%)
- Green (56%)
- Blue (60%)



- Red (15%)
- Yellow (36%)
- Blue (60%)



- Cyan (75%)
- Magenta (7%)
- Yellow (0%)
- Black (40%)



- Cyan (85%)
- Magenta (44%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2221, 22.0580, 33.5396 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 16.2221, 22.0580, 33.5396 by changing the saturation by 10% instead.

■ 16.2221, 22.0580,
33.5396

■ 16.2221, 22.0580,
33.5396

223.8935,
262.8490, 332.7805

■ 9.7733, 13.8995,
22.2656

■ 36.5377, 46.8418,
66.3428

■ 5.3100, 8.0508,
13.8520

■ 51.1352, 64.2360,
88.7090

■ 2.4669, 4.1275,
7.8803

■ 69.1796, 85.4775,
115.6098

■ 0.8786, 1.7451,
3.9317

■ 91.0364, 110.9507,
147.4637

■ 0.0000, 0.4526,
1.5880

■ 117.0708,
141.0401, 184.6891

■ 0.0000, 0.0000,
0.2822

■ 147.6482,

■ 0.0000, 0.0000,

176.1300, 227.7047

0.0000

183.1340,
216.6049, 276.9290

■ 16.2221, 22.0580,
33.5396

■ 16.2221, 22.0580,
33.5396

■ 15.5535, 21.3927,
33.4468

■ 17.1268, 22.8502,
33.6452

■ 15.0861, 20.8348,
33.3638

■ 18.2909, 23.7800,
33.7633

■ 14.8911, 20.5824,
33.3253

■ 19.7373, 24.8595,
33.8955

■ 21.4855, 26.0989,
34.0426

■ 23.5536, 27.5076,
34.2055

■ 25.9581, 29.0939,
34.3849

■ 28.7142, 30.8660,
34.5817

■ 31.8366, 32.8311,
34.7965

■ 35.3387, 34.9964,
35.0298

Harmonies

Analogous

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



15.5648, 22.0580, 23.9842



16.2221, 22.0580, 33.5396



18.1222, 22.0580, 41.9610

Triad

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



16.2221, 22.0580, 33.5396



26.5400, 22.0580, 33.6116



20.9771, 22.0580, 10.6980

Complementary

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



16.2221, 22.0580, 33.5396



14.5856, 9.1096, 2.8240

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.



24.0916, 22.0580, 12.0948



16.2221, 22.0580, 33.5396



27.4899, 22.0580, 24.0507

Square

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



16.2221, 22.0580, 33.5396



24.0696, 22.0580, 42.0093



26.5536, 22.0580, 16.4932



18.1404, 22.0580, 12.0738

Rectangle

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



16.2221, 22.0580, 33.5396



19.9389, 22.0580, 44.9800



26.5536, 22.0580, 16.4932



22.0266, 22.0580, 10.8530

Sweetspot

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



16.2228, 22.0588, 33.5401



42.8717, 49.7235, 61.3100



12.7161, 23.4050, 6.5996



9.1718, 10.7820, 13.5152



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.2228, 22.0588, 33.5401



27.2660, 37.6316, 59.7985



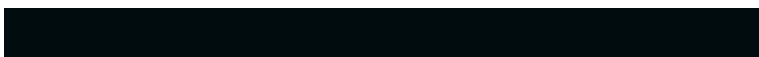
9.8710, 9.3552, 31.4229



6.3341, 6.9255, 7.9319



12.3202, 17.0371, 27.5469



0.1969, 0.2801, 0.4161

Inverse Universe

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



18.7131, 10.1122, 26.5576



32.1955, 15.9931, 45.5260



18.5475, 17.0333, 4.1446



6.4357, 6.3135, 7.6747



14.6774, 7.1252, 20.6242



0.2258, 0.1091, 0.3421

Previews

White Background



This preview shows how the XYZ color 16.2221, 22.0580, 33.5396 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 16.2221, 22.0580, 33.5396 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

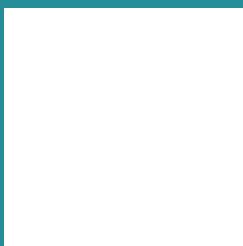
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2221, 22.0580, 33.5396

Background



This preview shows how black text looks on a background with the XYZ color 16.2221, 22.0580, 33.5396.



This preview shows how white text looks on a background with the XYZ color 16.2221, 22.0580,

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

16.2221, 22.0580, 33.5396

Protanopia

21.3574, 21.8876, 29.4846

Deuteranopia

22.2991, 21.8681, 34.9440



Tritanopia

16.2221, 22.0580, 33.5396

Trichromacy



Original Color

16.2221, 22.0580, 33.5396

Protanomaly

18.2701, 21.2613, 30.7447

Deuteranomaly

18.9713, 21.3357, 34.5708

Tritanomaly

16.2221, 22.0580, 33.5396

Monochromacy



Original Color

16.2221, 22.0580, 33.5396

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.6600, 17.6295, 22.7088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2221, 22.0580, 33.5396 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(38, 142, 153)` looks like.

```
.text, #text, p{  
    color:rgb(38, 142, 153)  
}
```

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(38, 142, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 142, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.2221, 22.0580, 33.5396 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(38, 142, 153) }
```


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

```
.border{ border-color:rgb(38, 142, 153) }
```

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

Here you see how a box with a 4 pixel rgb(38, 142, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 142, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 142, 153);  
box-shadow:4px 4px 4px 4px rgb(38, 142,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2221, 22.0580, 33.5396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 142, 153) }
```

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

```
.background{ background-color: rgb(38, 142,  
153) }
```

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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