

Converting Colors

XYZ(13.5145, 16.0540, 22.6369)

Have a look what the booklet for
XYZ(13.5145, 16.0540, 22.6369)
contains.

XYZ(13.5992, 16.1776, 22.8279)	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(13.5992, 16.1776,
22.8279)**

Conversions

Conversions Part 1

Format	Color
Hex	4F7680
RGB	79, 118, 128
RGB Percent	31%, 46%, 50%
CMY	0.6902, 0.5372, 0.4980
CMYK	0.38, 0.08, 0.00, 0.50
HSL	192°, 24%, 41%
HSV	192°, 38%, 50%
XYZ	13.5992, 16.1776, 22.8279
YIQ	107.4790, -26.4540, -5.1580

Conversions

Conversions Part 2

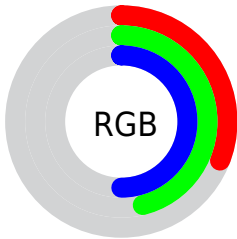
Format	Color
RYB	79, 101, 128
Decimal	5207680
CIELab	47.21, -10.93, -9.84
CIELCh	47, 14.703, 221.990
Yxy	16.1776, 0.2585, 0.3075
Android (android.graphics.Color)	4283397760 (0xFF4F7680)
YUV	107.4790, 10.1169, -24.9761
Hunter-Lab	40.2214, -10.0350, -5.4954

Details

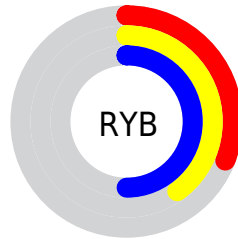
The XYZ color **13.5992, 16.1776, 22.8279** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.8861, 12.2989, 9.0398**, and the grayscale version is **14.0866, 14.8202, 16.1392**.

A 20% lighter version of the original color is **31.9211, 36.8315, 49.1428**, and **4.1081, 5.2060, 8.1855** is the 20% darker color. If you saturate the color by 10%, you get **12.3321, 15.0744, 22.6820**, and if you desaturate by 10%, it is **15.0809, 17.4048, 22.9870**.

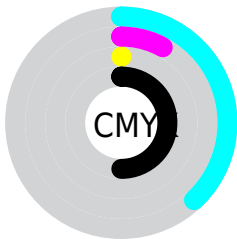
Distribution



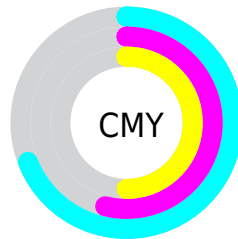
- Red (31%)
- Green (46%)
- Blue (50%)



- Red (31%)
- Yellow (40%)
- Blue (50%)



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (50%)



- Cyan (69%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5992, 16.1776, 22.8279 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 13.5992, 16.1776, 22.8279 by changing the saturation by 10% instead.

■ 13.5992, 16.1776,
22.8279

■ 13.5992, 16.1776,
22.8279

208.2839,
230.3874, 279.9330

■ 7.9223, 9.6499,
14.2624

■ 31.9684, 36.9063,
49.0302

■ 4.0966, 5.1675,
8.1625

■ 45.3914, 51.8760,
67.5040

■ 1.7569, 2.3459,
4.1099

■ 62.1271, 70.4286,
90.1177

■ 0.4915, 0.7978,
1.6858

■ 82.5409, 92.9484,
117.2898

■ 0.0000, 0.0000,
0.3510

■ 106.9981,
119.8197, 149.4389

■ 0.0000, 0.0000,
0.0000

135.8641,

151.4271, 186.9834

169.5042,
188.1549, 230.3419

■ 13.5992, 16.1776,
22.8279

■ 13.5992, 16.1776,
22.8279

■ 12.3321, 15.0744,
22.6820

■ 15.0809, 17.4048,
22.9870

■ 11.2662, 14.0871,
22.5476

■ 16.7866, 18.7599,
23.1586

■ 10.3888, 13.2094,
22.4245

■ 18.7269, 20.2488,
23.3437

■ 9.6854, 12.4338,
22.3118

■ 20.9115, 21.8765,
23.5428

■ 9.1390, 11.7513,
22.2089

■ 23.3493, 23.6478,
23.7562

■ 8.7077, 11.1403,
22.1137

■ 26.0488, 25.5672,
23.9844

■ 8.6359, 11.0377,
22.0977

■ 29.0182, 27.6389,
24.2278

■ 32.2652, 29.8671,
24.4867

■ 35.7972, 32.2556,
24.7616

Harmonies

Analogous

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



13.0674, 16.1776, 19.1377



13.5992, 16.1776, 22.8279



14.6194, 16.1776, 25.3022

Triad

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



13.5992, 16.1776, 22.8279



17.8674, 16.1776, 19.9123



14.8649, 16.1776, 11.5204

Complementary

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



13.5992, 16.1776, 22.8279



13.8861, 12.2989, 9.0398

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.



16.1590, 16.1776, 11.6671



13.5992, 16.1776, 22.8279



17.9423, 16.1776, 16.1747

Square

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



13.5992, 16.1776, 22.8279



17.1026, 16.1776, 23.4631



17.3019, 16.1776, 13.2625



13.7703, 16.1776, 12.8290

Rectangle

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



13.5992, 16.1776, 22.8279



15.4629, 16.1776, 25.7441



17.3019, 16.1776, 13.2625



15.2900, 16.1776, 11.4068

Sweetspot

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



13.5997, 16.1782, 22.8283



31.9111, 34.8460, 41.0003



12.7389, 17.8189, 12.1758



7.3808, 8.0893, 9.5907



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.5997, 16.1782, 22.8283



21.9653, 26.7665, 39.9650



11.0973, 11.1735, 21.9942



4.3743, 4.7425, 5.4981



8.5640, 10.9464, 21.9115



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.9685, 11.4897, 18.5689



24.8085, 17.5173, 31.0084



16.2524, 17.0315, 9.8285



4.4617, 4.3978, 5.2360



11.1997, 5.4996, 12.9071



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.5992, 16.1776, 22.8279 looks on a white 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

Black Background



This preview shows how the XYZ color 13.5992, 16.1776, 22.8279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

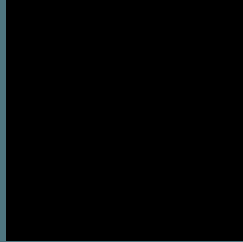
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5992, 16.1776, 22.8279

Background



This preview shows how black text looks on a background with the XYZ color 13.5992, 16.1776, 22.8279.



This preview shows how white text looks on a background with the XYZ color 13.5992, 16.1776,

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

13.5992, 16.1776, 22.8279

Protanopia

15.6900, 16.1139, 21.0222

Deuteranopia

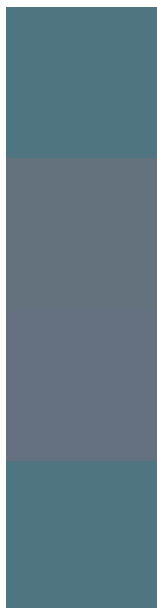
16.4373, 16.1264, 23.3655



Tritanopia

13.5992, 16.1776, 22.8279

Trichromacy



Original Color

13.5992, 16.1776, 22.8279

Protanomaly

14.8646, 16.1679, 21.7393

Deuteranomaly

15.1234, 15.9400, 23.0485

Tritanomaly

13.5992, 16.1776, 22.8279

Monochromacy



Original Color

13.5992, 16.1776, 22.8279

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7087, 15.1481, 18.4210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5992, 16.1776, 22.8279 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(79, 118, 128)` looks like.

```
.text, #text, p{  
    color:rgb(79, 118, 128)  
}
```

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(79, 118, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 118, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.5992, 16.1776, 22.8279 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(79, 118, 128) }
```


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

```
.border{ border-color:rgb(79, 118, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 118, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 118, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 118, 128);  
box-shadow:4px 4px 4px 4px rgb(79, 118,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5992, 16.1776, 22.8279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 118, 128) }
```

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

```
.background{ background-color: rgb(79, 118,  
128) }
```

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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