

Converting Colors

XYZ(13.5262, 16.2003, 36.1323)

Have a look what the booklet for
XYZ(13.5262, 16.2003, 36.1323)
contains.

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Color

**XYZ(13.5262, 16.2003,
36.1323)**

Conversions

Conversions Part 1

Format	Color
Hex	1878A1
RGB	24, 120, 161
RGB Percent	9%, 47%, 63%
CMY	0.9058, 0.5294, 0.3686
CMYK	0.85, 0.25, 0.00, 0.37
HSL	198°, 74%, 36%
HSV	198°, 85%, 63%
XYZ	13.5262, 16.2003, 36.1323
YIQ	95.9700, -70.3770, -7.6010

Conversions

Conversions Part 2

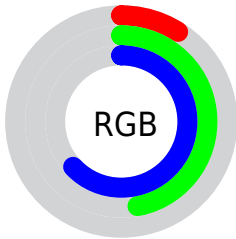
Format	Color
R_{YB}	24, 80, 161
Decimal	1603745
CIE _{Lab}	47.24, -11.52, -29.44
CIE _{LCh}	47, 31.613, 248.620
Yxy	16.2003, 0.2054, 0.2460
Android (android.graphics.Color)	4279793825 (0xFF1878A1)
YUV	95.9700, 32.0598, -63.1177
Hunter-Lab	40.2496, -10.4504, -25.0503

Details

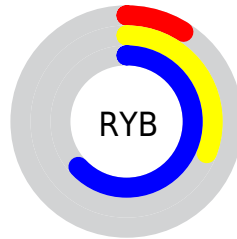
The XYZ color **13.5262, 16.2003, 36.1323** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **16.7543, 11.4256, 2.1873**, and the grayscale version is **11.0492, 11.6246, 12.6592**.

A 20% lighter version of the original color is **31.7633, 36.8426, 70.4030**, and **5.0777, 5.7389, 15.3081** is the 20% darker color. If you saturate the color by 10%, you get **12.6837, 14.9274, 35.9313**, and if you desaturate by 10%, it is **14.6235, 17.6484, 36.3543**.

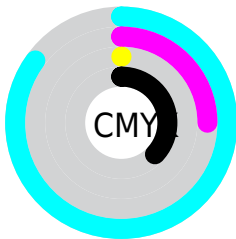
Distribution



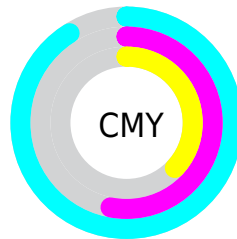
- Red (9%)
- Green (47%)
- Blue (63%)



- Red (9%)
- Yellow (31%)
- Blue (63%)



- Cyan (85%)
- Magenta (25%)
- Yellow (0%)
- Black (37%)



- Cyan (91%)
- Magenta (53%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5262, 16.2003, 36.1323 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 13.5262, 16.2003, 36.1323 by changing the saturation by 10% instead.

■ 13.5262, 16.2003,
36.1323

■ 13.5262, 16.2003,
36.1323

207.8332,
230.5208, 344.5933

■ 7.8714, 9.6660,
24.2459

■ 31.8393, 36.9456,
70.4076

■ 4.0639, 5.1781,
15.3022

■ 45.2282, 51.9254,
93.6335

■ 1.7383, 2.3521,
8.8828

■ 61.9259, 70.4891,
121.4763

■ 0.4801, 0.8011,
4.5690

■ 82.2978, 93.0212,
154.3547

■ 0.0000, 0.0000,
1.9424

■ 106.7090,
119.9060, 192.6870

■ 0.0000, 0.0000,
0.5195

■ 135.5251,

■ 0.0000, 0.0000,

151.5279, 236.8918

0.0000

169.1114,
188.2714, 287.3878

■ 13.5262, 16.2003,
36.1323

■ 13.5262, 16.2003,
36.1323

■ 12.6837, 14.9274,
35.9313

■ 14.6235, 17.6484,
36.3543

■ 12.3174, 14.3418,
35.8376

■ 16.0108, 19.2896,
36.5980

■ 17.7177, 21.1401,
36.8652

■ 19.7698, 23.2137,
37.1573

■ 22.1898, 25.5226,
37.4754

■ 24.9984, 28.0782,
37.8206

■ 28.2147, 30.8907,
38.1940

■ 31.8565, 33.9699,
38.5964

■ 35.9404, 37.3251,
39.0288

Harmonies

Analogous

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



11.5798, 16.2003, 29.0541



13.5262, 16.2003, 36.1323



16.2150, 16.2003, 37.5746

Triad

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



13.5262, 16.2003, 36.1323



21.3257, 16.2003, 15.4381



12.2901, 16.2003, 8.1620

Complementary

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



13.5262, 16.2003, 36.1323



16.7543, 11.4256, 2.1873

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.



14.6088, 16.2003, 6.4023



13.5262, 16.2003, 36.1323



19.9746, 16.2003, 9.6911

Square

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



13.5262, 16.2003, 36.1323



20.9450, 16.2003, 23.8450



17.4348, 16.2003, 6.8620



10.9284, 16.2003, 12.6162

Rectangle

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



13.5262, 16.2003, 36.1323



18.1094, 16.2003, 34.8275



17.4348, 16.2003, 6.8620



12.9715, 16.2003, 7.3077

Sweetspot

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



13.5268, 16.2009, 36.1327



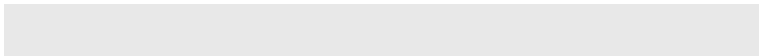
44.0196, 49.6147, 67.6430



14.0145, 26.0414, 8.9654



9.2883, 10.5511, 14.7907



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.5268, 16.2009, 36.1327



21.8797, 25.3257, 64.1217



8.1152, 5.3778, 34.3289



7.0963, 7.6516, 9.0060



9.8742, 11.5278, 28.6344



0.2457, 0.3186, 0.6144

Inverse Universe

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



18.4153, 9.5872, 18.6496



31.5514, 15.6613, 28.7651



23.0226, 23.9621, 4.2768



7.2736, 7.1659, 8.4271



14.1295, 7.0079, 13.1385



0.3162, 0.1550, 0.3776

Previews

White Background



This preview shows how the XYZ color 13.5262, 16.2003, 36.1323 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 13.5262, 16.2003, 36.1323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

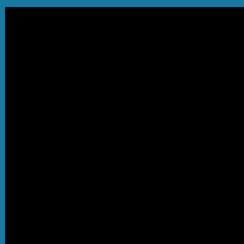
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5262, 16.2003, 36.1323

Background



This preview shows how black text looks on a background with the XYZ color 13.5262, 16.2003, 36.1323.

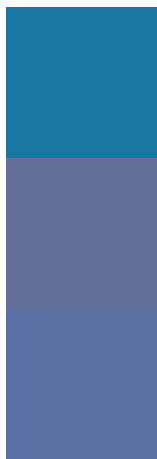


This preview shows how white text looks on a background with the XYZ color 13.5262, 16.2003,

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

13.5262, 16.2003, 36.1323

Protanopia

16.4713, 16.1044, 32.3773

Deuteranopia

16.5117, 16.1869, 36.9044



Tritanopia

11.5107, 16.1365, 25.0622

Trichromacy



Original Color

13.5262, 16.2003, 36.1323

Protanomaly

14.6906, 15.8126, 33.7304

Deuteranomaly

14.7857, 15.8015, 36.4531

Tritanomaly

12.2297, 16.2376, 28.8752

Monochromacy



Original Color

13.5262, 16.2003, 36.1323

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.9675, 12.7613, 19.6544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5262, 16.2003, 36.1323 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(24, 120, 161)` looks like.

```
.text, #text, p{  
    color:rgb(24, 120, 161)  
}
```

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(24, 120, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 120, 161) }
```

Border

The CSS property to change the border of an element to XYZ 13.5262, 16.2003, 36.1323 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(24, 120, 161) }
```


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

```
.border{ border-color:rgb(24, 120, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 120, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 120, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 120, 161);  
box-shadow:4px 4px 4px 4px rgb(24, 120,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5262, 16.2003, 36.1323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 120, 161) }
```

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

```
.background{ background-color: rgb(24, 120,  
161) }
```

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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