

Converting Colors

XYZ(13.5220, 15.2687, 19.9437)

Have a look what the booklet for
XYZ(13.5220, 15.2687, 19.9437)
contains.

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Color

**XYZ(13.6097, 15.3905,
20.0226)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7178
RGB	91, 113, 120
RGB Percent	36%, 44%, 47%
CMY	0.6431, 0.5569, 0.5294
CMYK	0.24, 0.06, 0.00, 0.53
HSL	194°, 14%, 41%
HSV	194°, 24%, 47%
XYZ	13.6097, 15.3905, 20.0226
YIQ	107.2200, -15.3590, -2.4870

Conversions

Conversions Part 2

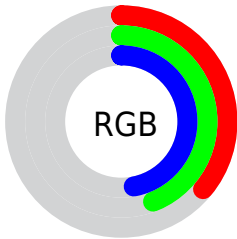
Format	Color
R _Y B	91, 104, 120
Decimal	5992824
CIE Lab	46.16, -6.37, -6.55
CIE LCh	46, 9.137, 225.812
Yxy	15.3905, 0.2776, 0.3139
Android (android.graphics.Color)	4284182904 (0xFF5B7178)
YUV	107.2200, 6.3005, -14.2249
Hunter-Lab	39.2307, -6.7296, -2.7990

Details

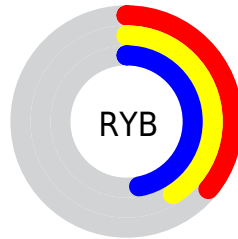
The XYZ color **13.6097, 15.3905, 20.0226** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.0019, 13.4838, 11.7626**, and the grayscale version is **14.0227, 14.7529, 16.0660**.

A 20% lighter version of the original color is **32.0569, 35.6396, 44.2193**, and **4.0987, 4.7839, 6.8383** is the 20% darker color. If you saturate the color by 10%, you get **12.2022, 14.1933, 19.8660**, and if you desaturate by 10%, it is **15.2176, 16.7071, 20.1922**.

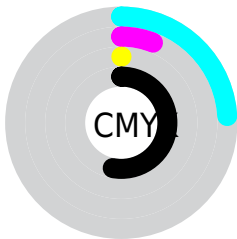
Distribution



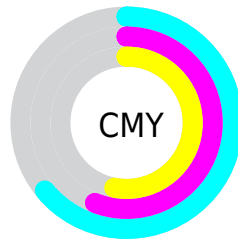
- Red (36%)
- Green (44%)
- Blue (47%)



- Red (36%)
- Yellow (41%)
- Blue (47%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (53%)



- Cyan (64%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6097, 15.3905, 20.0226 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 13.6097, 15.3905, 20.0226 by changing the saturation by 10% instead.

■ 13.6097, 15.3905,
20.0226

■ 13.6097, 15.3905,
20.0226

208.3486,
225.7178, 264.6457

■ 7.9296, 9.0939,
12.2272

■ 31.9870, 35.5368,
44.3145

■ 4.1014, 4.8025,
6.7742

■ 45.4148, 50.1553,
61.6482

■ 1.7596, 2.1318,
3.2450

■ 62.1560, 68.3165,
82.9984

■ 0.4932, 0.6824,
1.2211

■ 82.5758, 90.4049,
108.7836

■ 0.0000, 0.0000,
0.0000

107.0396,
116.8048, 139.4224

135.9128,

147.9007, 175.3333

169.5607,
184.0769, 216.9349

■ 13.6097, 15.3905,
20.0226

■ 13.6097, 15.3905,
20.0226

■ 12.2022, 14.1933,
19.8660

■ 15.2176, 16.7071,
20.1922

■ 10.9847, 13.1088,
19.7208

■ 17.0330, 18.1458,
20.3742

■ 9.9479, 12.1325,
19.5870

■ 19.0644, 19.7114,
20.5694

■ 9.0810, 11.2586,
19.4640

■ 21.3193, 21.4079,
20.7780

■ 8.3721, 10.4810,
19.3513

■ 23.8048, 23.2391,
21.0004

■ 7.8077, 9.7924,
19.2481

■ 26.5279, 25.2088,
21.2371

■ 7.3686, 9.1829,
19.1536

■ 29.4949, 27.3204,
21.4883

■ 7.1349, 8.8454,
19.1008

■ 32.7123, 29.5773,
21.7544

■ 36.1861, 31.9827,
22.0356

Harmonies

Analogous

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



13.2350, 15.3905, 17.9528



13.6097, 15.3905, 20.0226



14.2645, 15.3905, 21.2658

Triad

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



13.6097, 15.3905, 20.0226



16.1276, 15.3905, 17.8303



14.2242, 15.3905, 12.9629

Complementary

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



13.6097, 15.3905, 20.0226



14.0019, 13.4838, 11.7626

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.



14.9981, 15.3905, 12.9364



13.6097, 15.3905, 20.0226



16.1159, 15.3905, 15.6167

Square

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



13.6097, 15.3905, 20.0226



15.7278, 15.3905, 19.9261



15.6963, 15.3905, 13.8684



13.5811, 15.3905, 13.9443

Rectangle

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



13.6097, 15.3905, 20.0226



14.7803, 15.3905, 21.3934



15.6963, 15.3905, 13.8684



14.4772, 15.3905, 12.8451

Sweetspot

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



13.6102, 15.3911, 20.0229



28.9587, 31.1312, 35.7357



13.2248, 16.5348, 13.9925



6.8307, 7.3524, 8.4658



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.6102, 15.3911, 20.0229



22.5222, 25.8767, 35.0607



12.1415, 12.4538, 19.5334



4.0290, 4.3563, 5.0717



7.7724, 9.6272, 20.8339



36.3883, 44.5491, 99.1508

Inverse Universe

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



14.4678, 12.6679, 17.3061



24.3319, 20.3042, 29.2891



15.4580, 16.3960, 12.2479



4.1151, 4.0618, 4.8038



10.5065, 5.1787, 11.2239



49.7702, 24.5644, 51.7136

Previews

White Background



This preview shows how the XYZ color 13.6097, 15.3905, 20.0226 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 13.6097, 15.3905, 20.0226 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

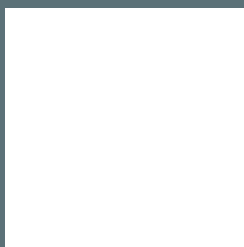
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6097, 15.3905, 20.0226

Background



This preview shows how black text looks on a background with the XYZ color 13.6097, 15.3905, 20.0226.



This preview shows how white text looks on a background with the XYZ color 13.6097, 15.3905,

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

13.6097, 15.3905, 20.0226

Protanopia

14.8801, 15.2607, 18.9910

Deuteranopia

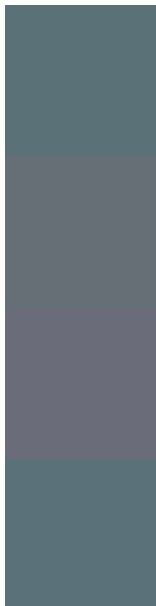
15.5447, 15.2660, 20.2165



Tritanopia

13.7324, 15.4395, 20.6687

Trichromacy



Original Color

13.6097, 15.3905, 20.0226

Protanomaly

14.3254, 15.2846, 19.3347

Deuteranomaly

14.8637, 15.3819, 20.2748

Tritanomaly

13.6707, 15.4149, 20.3440

Monochromacy



Original Color

13.6097, 15.3905, 20.0226

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7601, 14.8738, 17.4749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6097, 15.3905, 20.0226 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(91, 113, 120) looks like.

```
.text, #text, p{  
    color:rgb(91, 113, 120)  
}
```

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(91, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 113, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.6097, 15.3905, 20.0226 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(91, 113, 120) }
```


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

```
.border{ border-color:rgb(91, 113, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 113, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 113, 120);  
box-shadow:4px 4px 4px 4px rgb(91, 113,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6097, 15.3905, 20.0226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 113, 120) }
```

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

```
.background{ background-color: rgb(91, 113,  
120) }
```

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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