

Converting Colors

XYZ(13.5975, 15.9462, 27.0176)

Have a look what the booklet for
XYZ(13.5975, 15.9462, 27.0176)
contains.

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Color

**XYZ(13.6207, 15.9181,
27.1656)**

Conversions

Conversions Part 1

Format	Color
Hex	46758C
RGB	70, 117, 140
RGB Percent	27%, 46%, 55%
CMY	0.7255, 0.5412, 0.4510
CMYK	0.50, 0.16, 0.00, 0.45
HSL	200°, 33%, 41%
HSV	200°, 50%, 55%
XYZ	13.6207, 15.9181, 27.1656
YIQ	105.5690, -35.3950, -2.8110

Conversions

Conversions Part 2

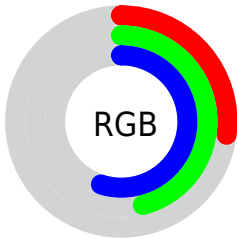
Format	Color
R_{YB}	70, 98, 140
Decimal	4617612
CIE _{Lab}	46.87, -9.33, -17.52
CIE _{LCh}	47, 19.844, 241.968
Yxy	15.9181, 0.2402, 0.2807
Android (android.graphics.Color)	4282807692 (0xFF46758C)
YUV	105.5690, 16.9745, -31.1940
Hunter-Lab	39.8975, -8.8821, -12.4414

Details

The XYZ color **13.6207, 15.9181, 27.1656** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **15.8355, 13.8469, 7.6330**, and the grayscale version is **13.5444, 14.2497, 15.5180**.

A 20% lighter version of the original color is **32.0940, 36.4819, 56.3891**, and **4.1252, 5.0726, 10.4345** is the 20% darker color. If you saturate the color by 10%, you get **12.2034, 14.4115, 26.9498**, and if you desaturate by 10%, it is **15.3009, 17.5999, 27.4020**.

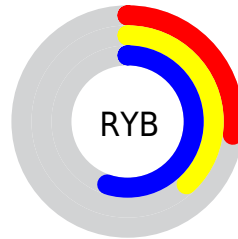
Distribution



Red (27%)

Green (46%)

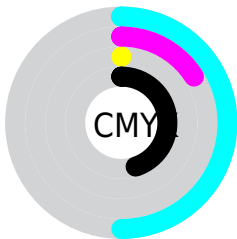
Blue (55%)



Red (27%)

Yellow (38%)

Blue (55%)

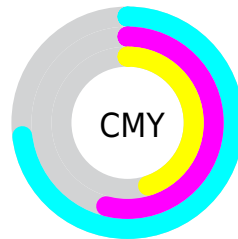


Cyan (50%)

Magenta (16%)

Yellow (0%)

Black (45%)



Cyan (73%)

Magenta (54%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6207, 15.9181, 27.1656 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 13.6207, 15.9181, 27.1656 by changing the saturation by 10% instead.

■ 13.6207, 15.9181,
27.1656

■ 13.6207, 15.9181,
27.1656

208.4164,
228.8580, 302.2435

■ 7.9373, 9.4662,
17.4641

■ 32.0064, 36.4560,
56.1565

■ 4.1063, 5.0465,
10.4005

■ 45.4394, 51.3107,
76.2829

■ 1.7624, 2.2746,
5.5562

■ 62.1863, 69.7353,
100.7214

■ 0.4949, 0.7602,
2.5128

■ 82.6124, 92.1139,
129.8904

■ 0.0000, 0.0000,
0.8469

■ 107.0831,
118.8311, 164.2087

■ 0.0000, 0.0000,
0.0000

135.9638,

150.2713, 204.0946

169.6198,
186.8188, 249.9667

■ 13.6207, 15.9181,
27.1656

■ 13.6207, 15.9181,
27.1656

■ 12.2034, 14.4115,
26.9498

■ 15.3009, 17.5999,
27.4020

■ 11.0303, 13.0692,
26.7525

■ 17.2577, 19.4637,
27.6586

■ 10.0830, 11.8811,
26.5731

■ 19.5059, 21.5179,
27.9366

■ 9.3391, 10.8353,
26.4105

■ 22.0585, 23.7697,
28.2367

■ 8.7366, 9.8992,
26.2616

■ 24.9279, 26.2259,
28.5595

■ 8.7365, 9.8991,
26.2615

■ 28.1255, 28.8932,
28.9058

■ 31.6623, 31.7775,
29.2762

■ 35.5489, 34.8848,
29.6711

■ 39.7952, 38.2208,
30.0912

Harmonies

Analogous

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



12.4814, 15.9181, 22.8763



13.6207, 15.9181, 27.1656



15.2441, 15.9181, 28.6927

Triad

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



13.6207, 15.9181, 27.1656



18.7006, 15.9181, 17.0073



13.4372, 15.9181, 10.4457

Complementary

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



13.6207, 15.9181, 27.1656



15.8355, 13.8469, 7.6330

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.



15.0158, 15.9181, 9.4530



13.6207, 15.9181, 27.1656



18.1283, 15.9181, 12.7649

Square

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



13.6207, 15.9181, 27.1656



18.2573, 15.9181, 22.2019



16.7462, 15.9181, 10.2143



12.3813, 15.9181, 13.2322

Rectangle

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



13.6207, 15.9181, 27.1656



16.4074, 15.9181, 27.7440



16.7462, 15.9181, 10.2143



13.9200, 15.9181, 9.9180

Sweetspot

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



13.6212, 15.9187, 27.1660



36.4283, 39.7511, 49.4957



13.8434, 20.8343, 13.4558



8.2038, 8.9912, 11.3825



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.6212, 15.9187, 27.1660



21.2297, 25.0924, 47.4674



10.3404, 9.3572, 26.0724



5.0367, 5.4163, 6.3858



7.7811, 8.8325, 23.3404



0.0651, 0.0855, 0.1595

Inverse Universe

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



16.2167, 11.2406, 18.1451



26.5509, 16.5744, 28.7327



19.5320, 21.2399, 8.8652



5.1651, 5.1015, 5.9580



11.4143, 5.6759, 9.9522



0.0826, 0.0404, 0.1018

Previews

White Background



This preview shows how the XYZ color 13.6207, 15.9181, 27.1656 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 13.6207, 15.9181, 27.1656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

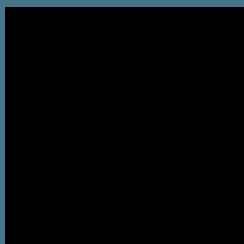
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6207, 15.9181, 27.1656

Background



This preview shows how black text looks on a background with the XYZ color 13.6207, 15.9181, 27.1656.



This preview shows how white text looks on a background with the XYZ color 13.6207, 15.9181,

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

13.6207, 15.9181, 27.1656

Protanopia

15.7748, 15.9044, 25.1601

Deuteranopia

16.1768, 15.8935, 27.8063



Tritanopia

12.8060, 15.9369, 23.1701

Trichromacy



Original Color

13.6207, 15.9181, 27.1656

Protanomaly

14.8341, 15.8917, 25.9525

Deuteranomaly

15.0155, 15.7867, 27.4550

Tritanomaly

13.0268, 15.8436, 24.5618

Monochromacy



Original Color

13.6207, 15.9181, 27.1656

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3601, 14.7870, 19.2896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6207, 15.9181, 27.1656 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(70, 117, 140)` looks like.

```
.text, #text, p{  
    color:rgb(70, 117, 140)  
}
```

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(70, 117, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 117, 140) }
```

Border

The CSS property to change the border of an element to XYZ 13.6207, 15.9181, 27.1656 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(70, 117, 140) }
```


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

```
.border{ border-color:rgb(70, 117, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 117, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 117, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 117, 140);  
box-shadow:4px 4px 4px 4px rgb(70, 117,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6207, 15.9181, 27.1656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 117, 140) }
```

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

```
.background{ background-color: rgb(70, 117,  
140) }
```

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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