

Converting Colors

XYZ(12.9175, 13.4607, 20.0065)

Have a look what the booklet for
XYZ(12.9175, 13.4607, 20.0065)
contains.

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Color

**XYZ(12.9175, 13.4607,
20.0065)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6779
RGB	94, 103, 121
RGB Percent	37%, 40%, 47%
CMY	0.6314, 0.5961, 0.5255
CMYK	0.22, 0.15, 0.00, 0.53
HSL	220°, 13%, 42%
HSV	220°, 22%, 47%
XYZ	12.9175, 13.4607, 20.0065
YIQ	102.3610, -11.1420, 3.6900

Conversions

Conversions Part 2

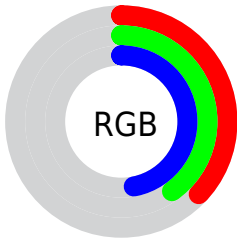
Format	Color
R_{YB}	94, 101, 121
Decimal	6186873
CIE Lab	43.45, 0.82, -11.20
CIE LCh	43, 11.233, 274.196
Yxy	13.4607, 0.2785, 0.2902
Android (android.graphics.Color)	4284376953 (0xFF5E6779)
YUV	102.3610, 9.1890, -7.3326
Hunter-Lab	36.6888, -1.3587, -6.6488

Details

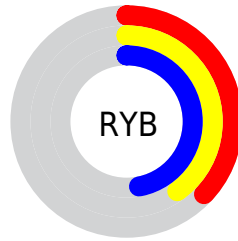
The XYZ color **12.9175, 13.4607, 20.0065** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6997, 16.4612, 12.9397**, and the grayscale version is **12.7029, 13.3644, 14.5539**.

A 20% lighter version of the original color is **30.7755, 32.1481, 44.1183**, and **3.7562, 3.9006, 6.6858** is the 20% darker color. If you saturate the color by 10%, you get **11.0088, 11.3429, 19.6986**, and if you desaturate by 10%, it is **15.0990, 15.8347, 20.3500**.

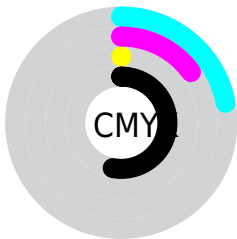
Distribution



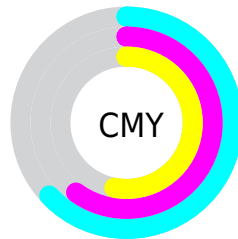
- Red (37%)
- Green (40%)
- Blue (47%)



- Red (37%)
- Yellow (40%)
- Blue (47%)



- Cyan (22%)
- Magenta (15%)
- Yellow (0%)
- Black (53%)



- Cyan (63%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9175, 13.4607, 20.0065 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 12.9175, 13.4607, 20.0065 by changing the saturation by 10% instead.

■ 12.9175, 13.4607,
20.0065

■ 12.9175, 13.4607,
20.0065

204.0366,
213.8495, 264.5557

■ 7.4484, 7.7465,
12.2156

■ 30.7581, 32.1290,
44.2872

■ 3.7929, 3.9332,
6.7664

■ 43.8602, 45.8519,
61.6141

■ 1.5856, 1.6363,
3.2402

■ 60.2374, 63.0133,
82.9568

■ 0.3830, 0.3819,
1.2186

■ 80.2550, 83.9974,
108.7338

■ 0.0000, 0.0000,
0.0000

104.2784,
109.1887, 139.3637

132.6728,

138.9715, 175.2649

165.8038,
173.7303, 216.8561

■ 12.9175, 13.4607,
20.0065

■ 12.9175, 13.4607,
20.0065

■ 11.0088, 11.3429,
19.6986

■ 15.0990, 15.8347,
20.3500

■ 9.3604, 9.4707,
19.4241

■ 17.5626, 18.4718,
20.7291

■ 7.9607, 7.8350,
19.1821

■ 20.3186, 21.3806,
21.1453

■ 6.7967, 6.4255,
18.9714

■ 23.3766, 24.5691,
21.5996

■ 5.8541, 5.2311,
18.7905

■ 26.7456, 28.0445,
22.0929

■ 5.1167, 4.2396,
18.6380

■ 30.4341, 31.8140,
22.6260

■ 4.5659, 3.4371,
18.5121

■ 34.4506, 35.8846,
23.2000

■ 4.2216, 2.9213,
18.4307

■ 38.8030, 40.2628,
23.8157

■ 43.4990, 44.9552,
24.4740

Harmonies

Analogous

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



12.0755, 13.4607, 19.4367



12.9175, 13.4607, 20.0065



13.7631, 13.4607, 19.0142

Triad

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



12.9175, 13.4607, 20.0065



14.2367, 13.4607, 12.1116



11.3382, 13.4607, 12.6574

Complementary

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



12.9175, 13.4607, 20.0065



15.6997, 16.4612, 12.9397

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.



11.8715, 13.4607, 11.0212



12.9175, 13.4607, 20.0065



13.5404, 13.4607, 10.7322

Square

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



12.9175, 13.4607, 20.0065



14.5464, 13.4607, 14.3066



12.6713, 13.4607, 10.3568



11.1883, 13.4607, 15.0118

Rectangle

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



12.9175, 13.4607, 20.0065



14.2076, 13.4607, 17.6600



12.6713, 13.4607, 10.3568



11.4774, 13.4607, 12.0143

Sweetspot

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



12.9179, 13.4612, 20.0068



29.2408, 30.7223, 36.7817



14.3533, 17.2145, 17.7646



6.6449, 6.9808, 8.4039



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.



12.9179, 13.4612, 20.0068



21.2404, 22.0160, 35.5229



12.4965, 11.9855, 19.7442



3.8967, 4.0917, 5.0276



4.5144, 3.1113, 19.7479



20.8255, 13.4237, 93.9632

Inverse Universe

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



14.3363, 13.0499, 14.5959



24.3036, 21.2373, 23.8127



16.1874, 18.2616, 13.2615



4.0483, 4.0351, 4.4521



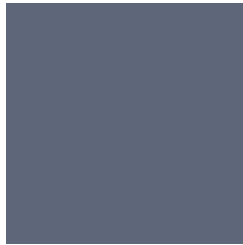
8.8620, 4.5209, 2.5642



41.9149, 21.4223, 10.3480

Previews

White Background



This preview shows how the XYZ color 12.9175, 13.4607, 20.0065 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 12.9175, 13.4607, 20.0065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

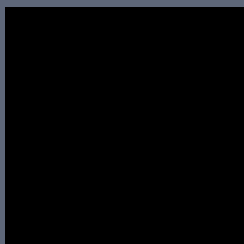
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

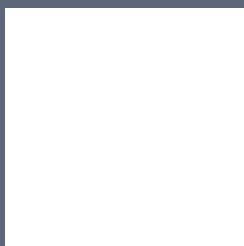
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9175, 13.4607, 20.0065

Background



This preview shows how black text looks on a background with the XYZ color 12.9175, 13.4607, 20.0065.

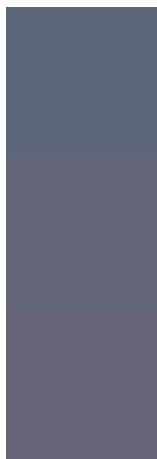


This preview shows how white text looks on a background with the XYZ color 12.9175, 13.4607,

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

12.9175, 13.4607, 20.0065

Protanopia

13.2871, 13.5115, 19.6770

Deuteranopia

13.6635, 13.4030, 20.2793



Tritanopia

12.3446, 13.3682, 17.5525

Trichromacy



Original Color

12.9175, 13.4607, 20.0065

Protanomaly

13.0713, 13.4002, 19.6669

Deuteranomaly

13.4221, 13.4218, 20.2956

Tritanomaly

12.6169, 13.4887, 18.4616

Monochromacy



Original Color

12.9175, 13.4607, 20.0065

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6573, 13.2595, 16.3602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9175, 13.4607, 20.0065 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(94, 103, 121) looks like.

```
.text, #text, p{  
    color:rgb(94, 103, 121)  
}
```

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(94, 103, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 103, 121) }
```

Border

The CSS property to change the border of an element to XYZ 12.9175, 13.4607, 20.0065 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(94, 103, 121) }
```


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

```
.border{ border-color:rgb(94, 103, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 103, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 103, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 103, 121);  
box-shadow:4px 4px 4px 4px rgb(94, 103,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9175, 13.4607, 20.0065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 103, 121) }
```

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

```
.background{ background-color: rgb(94, 103,  
121) }
```

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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