

Converting Colors

XYZ(13.2441, 15.1953, 20.0285)

Have a look what the booklet for
XYZ(13.2441, 15.1953, 20.0285)
contains.

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Color

**XYZ(13.2258, 15.1926,
20.0047)**

Conversions

Conversions Part 1

Format	Color
Hex	577178
RGB	87, 113, 120
RGB Percent	34%, 44%, 47%
CMY	0.6588, 0.5569, 0.5294
CMYK	0.27, 0.06, 0.00, 0.53
HSL	193°, 16%, 41%
HSV	193°, 27%, 47%
XYZ	13.2258, 15.1926, 20.0047
YIQ	106.0240, -17.7430, -3.3350

Conversions

Conversions Part 2

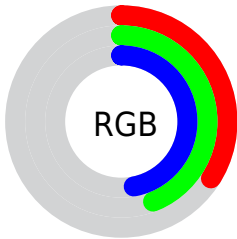
Format	Color
RYB	87, 102, 120
Decimal	5730680
CIELab	45.90, -7.70, -6.98
CIElCh	46, 10.391, 222.196
Yxy	15.1926, 0.2731, 0.3137
Android (android.graphics.Color)	4283920760 (0xFF577178)
YUV	106.0240, 6.8902, -16.6840
Hunter-Lab	38.9777, -7.6428, -3.1453

Details

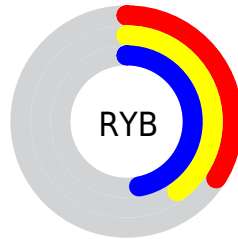
The XYZ color **13.2258, 15.1926, 20.0047** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4689, 12.6867, 10.7561**, and the grayscale version is **13.6918, 14.4048, 15.6868**.

A 20% lighter version of the original color is **31.3828, 35.2921, 44.1877**, and **3.9351, 4.6996, 6.8306** is the 20% darker color. If you saturate the color by 10%, you get **11.9174, 14.1029, 19.8636**, and if you desaturate by 10%, it is **14.7293, 16.3955, 20.1579**.

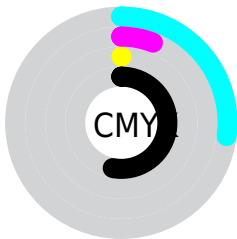
Distribution



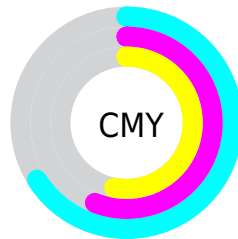
- Red (34%)
- Green (44%)
- Blue (47%)



- Red (34%)
- Yellow (40%)
- Blue (47%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (53%)



- Cyan (66%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2258, 15.1926, 20.0047 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 13.2258, 15.1926, 20.0047 by changing the saturation by 10% instead.

■ 13.2258, 15.1926,
20.0047

■ 13.2258, 15.1926,
20.0047

■ 205.9682,
224.5290, 264.5456

■ 7.6623, 8.9547,
12.2143

■ 31.3067, 35.1907,
44.2841

■ 3.9296, 4.7116,
6.7655

■ 44.5548, 49.7197,
61.6103

■ 1.6624, 2.0791,
3.2397

■ 61.0952, 67.7811,
82.9522

■ 0.4326, 0.6528,
1.2183

■ 81.2932, 89.7594,
108.7282

■ 0.0000, 0.0000,
0.0000

■ 105.5141,
116.0389, 139.3571

134.1234,

147.0041, 175.2572

167.4863,
183.0394, 216.8472

■ 13.2258, 15.1926,
20.0047

■ 13.2258, 15.1926,
20.0047

■ 11.9174, 14.1029,
19.8636

■ 14.7293, 16.3955,
20.1579

■ 10.7936, 13.1196,
19.7330

■ 16.4353, 17.7143,
20.3225

■ 9.8446, 12.2381,
19.6129

■ 18.3522, 19.1539,
20.4994

■ 9.0596, 11.4527,
19.5027

■ 20.4878, 20.7183,
20.6888

■ 8.4261, 10.7568,
19.4017

■ 22.8492, 22.4113,
20.8911

7.9300, 10.1431,
19.3094

25.4434, 24.2366,
21.1067

7.5369, 9.5938,
19.2241

28.2770, 26.1977,
21.3359

7.4421, 9.4599,
19.2033

31.3564, 28.2980,
21.5790

34.6876, 30.5406,
21.8363

Harmonies

Analogous

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



12.8529, 15.1926, 17.5841



13.2258, 15.1926, 20.0047



13.9303, 15.1926, 21.5827

Triad

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



13.2258, 15.1926, 20.0047



16.1069, 15.1926, 18.0641



14.0866, 15.1926, 12.2542

Complementary

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



13.2258, 15.1926, 20.0047



13.4689, 12.6867, 10.7561

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.



14.9622, 15.1926, 12.3547



13.2258, 15.1926, 20.0047



16.1529, 15.1926, 15.5422

Square

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



13.2258, 15.1926, 20.0047



15.6033, 15.1926, 20.3866



15.7266, 15.1926, 13.5042



13.3362, 15.1926, 13.2142

Rectangle

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



13.2258, 15.1926, 20.0047



14.5048, 15.1926, 21.8559



15.7266, 15.1926, 13.5042



14.3756, 15.1926, 12.1681

Sweetspot

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



13.2263, 15.1932, 20.0050



28.6854, 30.9875, 35.7224



12.6497, 16.2605, 12.9680



6.7024, 7.2705, 8.4568



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.



13.2263, 15.1932, 20.0050



21.7711, 25.4894, 35.0256



11.5864, 11.9136, 19.4584



4.0384, 4.3750, 5.0748



8.1085, 10.2994, 20.9459



38.0452, 47.8629, 99.7031

Inverse Universe

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



14.1349, 12.0021, 17.1952



23.6807, 19.0018, 29.0720



15.0531, 15.8550, 11.2841



4.1198, 4.0637, 4.8286



10.6761, 5.2466, 12.1173



50.6066, 24.8990, 56.1176

Previews

White Background



This preview shows how the XYZ color 13.2258, 15.1926, 20.0047 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 13.2258, 15.1926, 20.0047 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

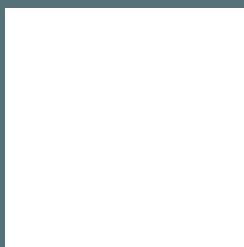
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.2258, 15.1926, 20.0047

Background



This preview shows how black text looks on a background with the XYZ color 13.2258, 15.1926, 20.0047.



This preview shows how white text looks on a background with the XYZ color 13.2258, 15.1926,

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

13.2258, 15.1926, 20.0047

Protanopia

14.7578, 15.1976, 18.9852

Deuteranopia

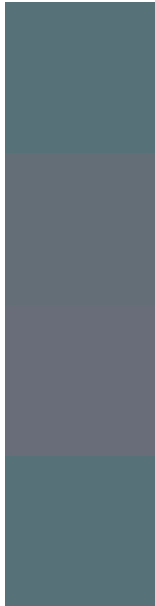
15.4769, 15.2239, 20.5351



Tritanopia

13.3485, 15.2416, 20.6507

Trichromacy



Original Color

13.2258, 15.1926, 20.0047

Protanomaly

14.1015, 15.1692, 19.3243

Deuteranomaly

14.6287, 15.2608, 20.2638

Tritanomaly

13.2868, 15.2170, 20.3260

Monochromacy



Original Color

13.2258, 15.1926, 20.0047

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4835, 14.7376, 17.1729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2258, 15.1926, 20.0047 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(87, 113, 120)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 113, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.2258, 15.1926, 20.0047 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(87, 113, 120) }
```


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

```
.border{ border-color:rgb(87, 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(87, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 113, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 113, 120);  
box-shadow:4px 4px 4px 4px rgb(87, 113,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2258, 15.1926, 20.0047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 113, 120) }
```

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

```
.background{ background-color: rgb(87, 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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