

Converting Colors

XYZ(8.7502, 11.6029, 17.1661)

Have a look what the booklet for
XYZ(8.7502, 11.6029, 17.1661)
contains.

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Color

**XYZ(8.7755, 11.6851,
17.1222)**

Conversions

Conversions Part 1

Format	Color
Hex	266970
RGB	38, 105, 112
RGB Percent	15%, 41%, 44%
CMY	0.8510, 0.5882, 0.5608
CMYK	0.66, 0.06, 0.00, 0.56
HSL	186°, 49%, 29%
HSV	186°, 66%, 44%
XYZ	8.7755, 11.6851, 17.1222
YIQ	85.7650, -42.1790, -12.0270

Conversions

Conversions Part 2

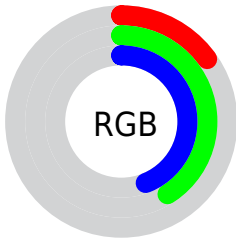
Format	Color
R_YB	38, 73, 112
Decimal	2517360
CIE _{Lab}	40.71, -18.46, -10.17
CIE _{LCh}	41, 21.077, 208.862
Yxy	11.6851, 0.2335, 0.3109
Android (android.graphics.Color)	4280707440 (0xFF266970)
YUV	85.7650, 12.9339, -41.8899
Hunter-Lab	34.1835, -13.9970, -5.7694

Details

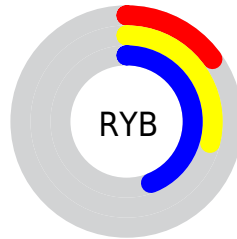
The XYZ color **8.7755, 11.6851, 17.1222** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.9705, 5.4616, 2.4680**, and the grayscale version is **8.7758, 9.2328, 10.0545**.

A 20% lighter version of the original color is **23.1035, 28.7844, 39.4602**, and **2.3885, 3.2964, 5.3609** is the 20% darker color. If you saturate the color by 10%, you get **8.3160, 11.2893, 17.0702**, and if you desaturate by 10%, it is **9.3614, 12.1486, 17.1810**.

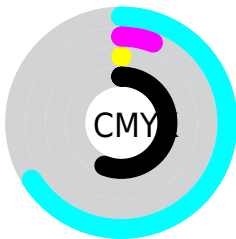
Distribution



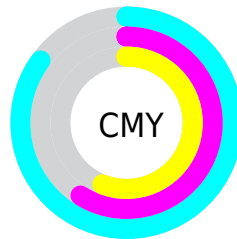
- Red (15%)
- Green (41%)
- Blue (44%)



- Red (15%)
- Yellow (29%)
- Blue (44%)



- Cyan (66%)
- Magenta (6%)
- Yellow (0%)
- Black (56%)



- Cyan (85%)
- Magenta (59%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7755, 11.6851, 17.1222 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 8.7755, 11.6851, 17.1222 by changing the saturation by 10% instead.

8.7755, 11.6851,
17.1222

8.7755, 11.6851,
17.1222

175.9369,
202.3093, 247.9433

4.6510, 6.5296,
10.1588

23.1364, 28.9203,
39.3293

2.0766, 3.1697,
5.3974

34.1036, 41.7688,
55.4100

0.6764, 1.2210,
2.4195

48.0823, 57.9504,
75.3670

0.0000, 0.0787,
0.7970

65.4379, 77.8495,
99.6186

0.0000, 0.0000,
0.0000

86.5359, 101.8506,
128.5835

111.7414,

130.3380, 162.6803

141.4200,
163.6961, 202.3274

■ 8.7755, 11.6851,
17.1222

■ 8.7755, 11.6851,
17.1222

■ 8.3160, 11.2893,
17.0702

■ 9.3614, 12.1486,
17.1810

■ 7.9703, 10.9539,
17.0237

■ 10.0828, 12.6837,
17.2463

■ 7.7139, 10.6665,
16.9818

■ 10.9492, 13.2955,
17.3187

■ 7.6180, 10.5566,
16.9656

■ 11.9687, 13.9883,
17.3987

■ 13.1492, 14.7661,
17.4866

■ 14.4978, 15.6325,
17.5828

■ 16.0211, 16.5912,
17.6875

■ 17.7256, 17.6452,
17.8011

■ 19.6172, 18.7977,
17.9239

Harmonies

Analogous

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



8.4745, 11.6851, 12.5603



8.7755, 11.6851, 17.1222



9.6860, 11.6851, 21.1447

Triad

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



8.7755, 11.6851, 17.1222



13.7513, 11.6851, 17.4696



11.1635, 11.6851, 6.1424

Complementary

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



8.7755, 11.6851, 17.1222



7.9705, 5.4616, 2.4680

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.



12.6592, 11.6851, 6.9002



8.7755, 11.6851, 17.1222



14.2334, 11.6851, 12.8872

Square

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



8.7755, 11.6851, 17.1222



12.5516, 11.6851, 21.3748



13.8172, 11.6851, 9.1505



9.7765, 11.6851, 6.7920

Rectangle

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



8.7755, 11.6851, 17.1222



10.5606, 11.6851, 22.6237



13.8172, 11.6851, 9.1505



11.6706, 11.6851, 6.2373

Sweetspot

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



8.7759, 11.6855, 17.1225



22.1402, 25.3126, 30.6487



7.0515, 12.1838, 4.3796



5.2115, 6.0102, 7.3552



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.7759, 11.6855, 17.1225



14.2816, 19.5250, 29.9458



5.8421, 5.8179, 16.1445



3.4493, 3.7639, 4.2989



8.7981, 12.1864, 19.6101



43.4863, 60.0244, 97.5730

Inverse Universe

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



9.9253, 5.8511, 13.9714



16.5538, 8.7418, 23.5486



9.9870, 9.4946, 3.1402



3.5015, 3.4483, 4.1674



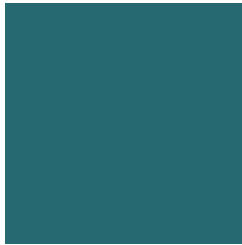
10.4592, 5.0761, 14.7599



51.9298, 25.2173, 72.6198

Previews

White Background



This preview shows how the XYZ color 8.7755, 11.6851, 17.1222 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 8.7755, 11.6851, 17.1222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

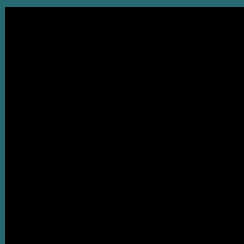
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.7755, 11.6851, 17.1222

Background



This preview shows how black text looks on a background with the XYZ color 8.7755, 11.6851, 17.1222.



This preview shows how white text looks on a background with the XYZ color 8.7755, 11.6851,

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

8.7755, 11.6851, 17.1222

Protanopia

11.2581, 11.5840, 15.0072

Deuteranopia

11.7282, 11.4994, 17.8211



Tritanopia

8.8689, 11.7267, 17.4188

Trichromacy



Original Color

8.7755, 11.6851, 17.1222

Protanomaly

9.9927, 11.4622, 15.8731

Deuteranomaly

10.1360, 11.2201, 17.5511

Tritanomaly

8.8689, 11.7267, 17.4188

Monochromacy



Original Color

8.7755, 11.6851, 17.1222

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.4342, 9.9201, 12.2967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7755, 11.6851, 17.1222 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(38, 105, 112)` looks like.

```
.text, #text, p{  
    color:rgb(38, 105, 112)  
}
```

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(38, 105, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 105, 112) }
```

Border

The CSS property to change the border of an element to XYZ 8.7755, 11.6851, 17.1222 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(38, 105, 112) }
```


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

```
.border{ border-color:rgb(38, 105, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 105, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 105, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 105, 112);  
box-shadow:4px 4px 4px 4px rgb(38, 105,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7755, 11.6851, 17.1222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 105, 112) }
```

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

```
.background{ background-color: rgb(38, 105,  
112) }
```

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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