

Converting Colors

XYZ(12.7759, 13.8844, 15.5451)

Have a look what the booklet for
XYZ(12.7759, 13.8844, 15.5451)
contains.

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Color

**XYZ(12.7926, 13.9453,
15.6532)**

Conversions

Conversions Part 1

Format	Color
Hex	626A6A
RGB	98, 106, 106
RGB Percent	38%, 42%, 42%
CMY	0.6157, 0.5843, 0.5843
CMYK	0.08, 0.00, 0.00, 0.58
HSL	180°, 4%, 40%
HSV	180°, 8%, 42%
XYZ	12.7926, 13.9453, 15.6532
YIQ	103.6080, -4.7680, -1.6960

Conversions

Conversions Part 2

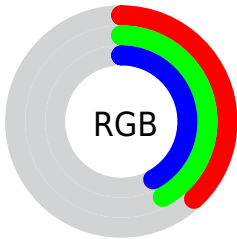
Format	Color
R_{YB}	98, 102, 106
Decimal	6449770
CIE Lab	44.15, -3.05, -1.06
CIE LCh	44, 3.226, 199.130
Yxy	13.9453, 0.3018, 0.3290
Android (android.graphics.Color)	4284639850 (0xFF626A6A)
YUV	103.6080, 1.1793, -4.9182
Hunter-Lab	37.3434, -4.2028, 1.2879

Details

The XYZ color **12.7926, 13.9453, 15.6532** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5167, 12.6819, 13.3441**, and the grayscale version is **13.0516, 13.7313, 14.9534**.

A 20% lighter version of the original color is **30.5372, 32.9378, 36.6464**, and **3.7696, 4.1738, 4.7446** is the 20% darker color. If you saturate the color by 10%, you get **11.7238, 13.3947, 15.6031**, and if you desaturate by 10%, it is **14.0137, 14.5752, 15.7110**.

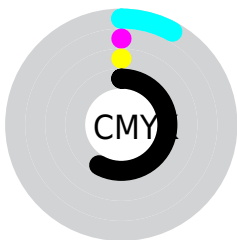
Distribution



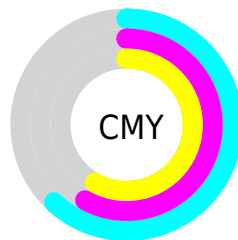
- Red (38%)
- Green (42%)
- Blue (42%)



- Red (38%)
- Yellow (40%)
- Blue (42%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (58%)



- Cyan (62%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7926, 13.9453, 15.6532 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 12.7926, 13.9453, 15.6532 by changing the saturation by 10% instead.

■ 12.7926, 13.9453,
15.6532

■ 12.7926, 13.9453,
15.6532

203.2487,
216.8903, 239.0620

■ 7.3619, 8.0826,
9.1274

■ 30.5352, 32.9919,
36.7535

■ 3.7378, 4.1479,
4.7264

■ 43.5778, 46.9447,
52.1650

■ 1.5549, 1.7566,
2.0317

■ 59.8883, 64.3629,
71.3755

■ 0.3627, 0.4599,
0.5747

■ 79.8323, 85.6311,
94.8036

■ 0.0000, 0.0000,
0.0000

103.7749,
111.1335, 122.8677

132.0817,

141.2545, 155.9865

165.1178,
176.3787, 194.5784

■ 12.7926, 13.9453,
15.6532

■ 12.7926, 13.9453,
15.6532

■ 11.7238, 13.3947,
15.6031

■ 14.0137, 14.5752,
15.7110

■ 10.8002, 12.9186,
15.5595

■ 15.3915, 15.2854,
15.7759

■ 10.0159, 12.5143,
15.5224

■ 16.9317, 16.0794,
15.8484

■ 9.3642, 12.1783,
15.4915

■ 18.6393, 16.9597,
15.9287

■ 8.8377, 11.9069,
15.4665

■ 20.5192, 17.9288,
16.0170

■ 8.4283, 11.6959,
15.4469

■ 22.5760, 18.9892,
16.1137

■ 8.1273, 11.5407,
15.4324

■ 24.8142, 20.1430,
16.2188

■ 7.9242, 11.4360,
15.4225

■ 27.2381, 21.3925,
16.3326

■ 7.7877, 11.3656,
15.4158

■ 29.8518, 22.7400,
16.4554

Harmonies

Analogous

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



12.7746, 13.9453, 14.9184



12.7926, 13.9453, 15.6532



12.9335, 13.9453, 16.2810

Triad

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



12.7926, 13.9453, 15.6532



13.6323, 13.9453, 16.1303



13.3481, 13.9453, 13.8345

Complementary

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



12.7926, 13.9453, 15.6532



12.5167, 12.6819, 13.3441

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.



13.5810, 13.9453, 14.1375



12.7926, 13.9453, 15.6532



13.7465, 13.9453, 15.4528

Square

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



12.7926, 13.9453, 15.6532



13.4174, 13.9453, 16.5626



13.7276, 13.9453, 14.7244



13.0931, 13.9453, 13.8842

Rectangle

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



12.7926, 13.9453, 15.6532



13.0791, 13.9453, 16.5470



13.7276, 13.9453, 14.7244



13.4316, 13.9453, 13.8981

Sweetspot

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



12.7930, 13.9459, 15.6535



23.5942, 25.0637, 27.5251



12.4105, 13.7946, 13.5642



5.5357, 5.8757, 6.4482



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.7930, 13.9459, 15.6535



22.1135, 24.3004, 27.4553



12.4035, 13.1668, 15.5239



3.1818, 3.4919, 3.9411



9.6239, 14.0837, 19.1285



49.0378, 71.7622, 97.4666

Inverse Universe

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



12.5167, 12.6819, 13.3441



21.5256, 21.6114, 22.5425



12.8872, 13.4231, 13.4674



3.0998, 3.1168, 3.2558



7.3766, 3.8028, 0.3457



37.5866, 19.3766, 1.7600

Previews

White Background



This preview shows how the XYZ color 12.7926, 13.9453, 15.6532 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 12.7926, 13.9453, 15.6532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

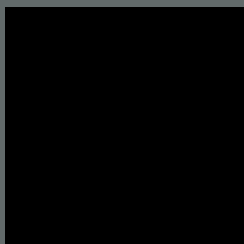
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

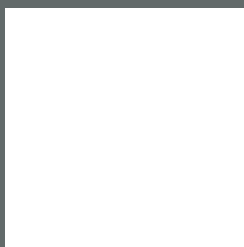
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7926, 13.9453, 15.6532

Background



This preview shows how black text looks on a background with the XYZ color 12.7926, 13.9453, 15.6532.



This preview shows how white text looks on a background with the XYZ color 12.7926, 13.9453,

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

12.7926, 13.9453, 15.6532

Protanopia

13.4440, 13.9847, 15.3553

Deuteranopia

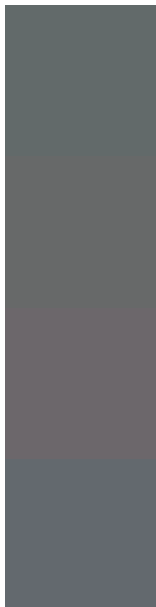
14.1176, 13.8796, 15.8449



Tritanopia

13.1778, 13.9481, 17.6205

Trichromacy



Original Color

12.7926, 13.9453, 15.6532

Protanomaly

13.1949, 14.0066, 15.3727

Deuteranomaly

13.6884, 13.9502, 15.8811

Tritanomaly

13.0116, 13.8816, 16.7455

Monochromacy



Original Color

12.7926, 13.9453, 15.6532

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.0809, 13.9479, 15.3674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7926, 13.9453, 15.6532 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(98, 106, 106) looks like.

```
.text, #text, p{  
    color:rgb(98, 106, 106)  
}
```

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(98, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 106, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.7926, 13.9453, 15.6532 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(98, 106, 106) }
```


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

```
.border{ border-color:rgb(98, 106, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 106, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(98, 106,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7926, 13.9453, 15.6532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 106, 106) }
```

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

```
.background{ background-color: rgb(98, 106,  
106) }
```

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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