Converting Colors

XYZ(3.1764, 8.1682, 14.9378)

Have a look what the booklet for XYZ(3.1764, 8.1682, 14.9378) contains.

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Color

XYZ(7.1587, 10.1550, 15.2185)

Conversions

Conversions Part 1

Format	Color
Hex	00646A
RGB	0, 100, 106
RGB Percent	0%, 39%, 42%
CMY	1.0000, 0.6078, 0.5843
CMYK	1.00, 0.06, 0.00, 0.58
HSL	183°, 100%, 21%
HSV	183°, 100%, 42%
XYZ	7.1587, 10.1550, 15.2185
YIQ	70.7840, -61.5260, -19.3340

Conversions

Conversions Part 2

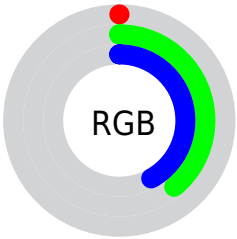
Format	Color
RYB	0, 51, 106
Decimal	25706
CIELab	38.12, -22.12, -10.48
CIELCh	38, 24.476, 205.362
Yxy	10.1550, 0.2200, 0.3122
Android (android.graphics.Color)	4278215786 (0xFF00646A)
YUV	70.7840, 17.3615, -62.0776
Hunter-Lab	31.8669, -15.6682, -6.0080

Details

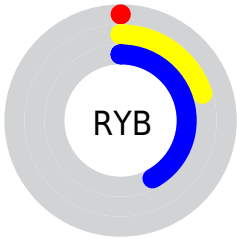
The XYZ color 7.1587, 10.1550, 15.2185 is a dark color, and the websafe version is hex 006666. A complement of this color would be 6.0092, 3.1947, 0.3002, and the grayscale version is 5.9324, 6.2414, 6.7969.

A 20% lighter version of the original color is 19.9001, 25.9840, 35.8649, and 2.0625, 2.8620, 4.5814 is the 20% darker color. If you saturate the color by 10%, you get 7.1589, 10.1552, 15.2187, and if you desaturate by 10%, it is 7.3496, 10.3393, 15.2442.

Distribution

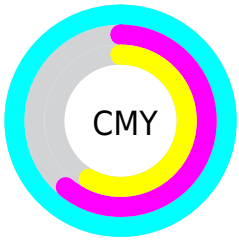


- Red (0%)
- Green (39%)
- Blue (42%)



- Red (0%)
- Yellow (20%)
- Blue (42%)

- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (58%)



- Cyan (100%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.1587, 10.1550, 15.2185 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 7.1587, 10.1550, 15.2185 by changing the saturation by 10% instead.

7.1587, 10.1550, 15.2185

7.1587, 10.1550, 15.2185

163.4920, 191.7748, 236.3711

3.6088, 5.5018, 8.8246

19.9933, 26.0866, 35.9837

1.4833, 2.5446, 4.5317

30.0088, 38.1339, 51.1921

0.3144, 0.8989, 1.9213

42.9101, 53.4147, 70.1757

0.0000, 0.0000, 0.5062

59.0626, 72.3133, 93.3531

0.0000, 0.0000, 0.0000

78.8317, 95.2143, 121.1428

102.5827,

122.5019, 153.9633

130.6810, 154.5606, 192.2333

7.1587, 10.1550, 15.2185

7.1589, 10.1552, 15.2187

7.1587, 10.1550, 15.2185

7.3496, 10.3393, 15.2442

7.5886, 10.5489, 15.2721

7.9232, 10.8085, 15.3045

8.3642, 11.1234, 15.3421

8.9207, 11.4986, 15.3852

9.6009, 11.9382, 15.4342

10.4124, 12.4460, 15.4894

11.3620, 13.0258, 15.5513

12.4561, 13.6806, 15.6200

Harmonies

Analogous

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

6.9294, 10.1550, 10.3683

7.1587, 10.1550, 15.2185

8.0261, 10.1550, 19.8722

Triad

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

7.1587, 10.1550, 15.2185

12.3737, 10.1550, 16.7768

9.8998, 10.1550, 4.4542

Complementary

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

7.1587, 10.1550, 15.2185

6.0092, 3.1947, 0.3002

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.

11.4840, 10.1550, 5.3320

7.1587, 10.1550, 15.2185

13.0080, 10.1550, 11.7757

Square

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

7.1587, 10.1550, 15.2185

11.0127, 10.1550, 20.9306

12.6659, 10.1550, 7.7331

8.4083, 10.1550, 4.9109

Rectangle

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

7.1587, 10.1550, 15.2185

8.9044, 10.1550, 21.7933

12.6659, 10.1550, 7.7331

10.4404, 10.1550, 4.5942

Sweetspot

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

7.1590, 10.1554, 15.2187

18.1453, 21.7634, 27.1754

5.1833, 10.3199, 1.8712

4.1448, 5.0324, 6.3587

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.

7.1590, 10.1554, 15.2187

12.5359, 17.7667, 26.6996

3.6466, 3.1306, 14.0479

3.1679, 3.4640, 3.9365

8.8761, 12.5865, 18.8839

45.0113, 63.7012, 96.1494

Inverse Universe

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

8.2444, 3.9845, 12.3916

14.4546, 6.9869, 21.6729

7.4725, 6.1211, 0.7879

3.2105, 3.1611, 3.8390

10.2271, 4.9430, 15.3563

52.0024, 25.1429, 77.6726

Previews

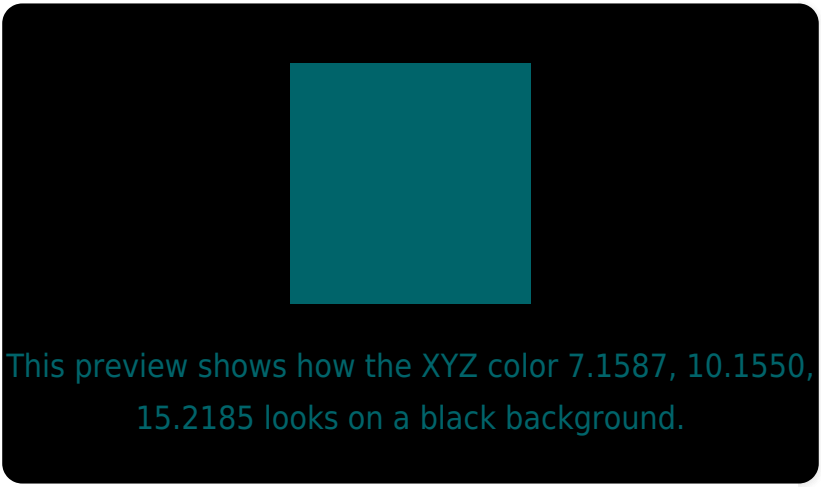
White Background

This preview shows how the XYZ color 7.1587, 10.1550, 15.2185 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

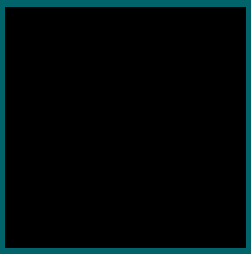


Color Contrast Check

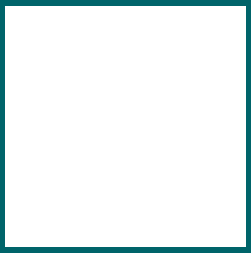
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 7.1587, 10.1550, 15.2185 Background



This preview shows how black text looks on a background with the XYZ color 7.1587, 10.1550, 15.2185.



This preview shows how white text looks on a background with the XYZ color 7.1587, 10.1550,

15.2185.

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
7.1587, 10.1550, 15.2185

Protanopia
9.9443, 10.1695, 13.2432

Deuteranopia
10.3699, 10.2074, 15.8917

Tritanopia
7.3891, 10.2616, 15.7786

Trichromacy

Original Color
7.1587, 10.1550, 15.2185

Protanomaly
8.0000, 9.6579, 14.0129

Deuteranomaly
8.2213, 9.6069, 15.6084

Tritanomaly
7.2861, 10.2146, 15.4975

Monochromacy

Original Color
7.1587, 10.1550, 15.2185

Achromatopsia
5.9891, 6.3010, 6.8618

Achromatomaly
5.6997, 7.2326, 9.4831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.1587, 10.1550, 15.2185 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(0, 100, 106) looks like.

```
.text, #text, p{
    color:rgb(0, 100, 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(0, 100, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 106) }
```

Border

The CSS property to change the border of an element to XYZ 7.1587, 10.1550, 15.2185 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(0, 100, 106) }
```

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

```
.border{ border-color:rgb(0, 100, 106) }
```

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

Here you see how a box with a 4 pixel rgb(0, 100, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 100, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 100, 106); box-shadow:4px 4px 4px 4px rgb(0, 100, 106) }
```

Background

The CSS property to change the background color of an element to XYZ 7.1587, 10.1550, 15.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(0, 100, 106) }
```

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

```
.background{ background-color:rgb(0, 100,
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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