

Converting Colors

XYZ(15.7021, 20.1443, 25.5091)

Have a look what the booklet for
XYZ(15.7021, 20.1443, 25.5091)
contains.

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Color

**XYZ(15.6711, 20.0328,
25.5950)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8586
RGB	76, 133, 134
RGB Percent	30%, 52%, 53%
CMY	0.7020, 0.4784, 0.4745
CMYK	0.43, 0.01, 0.00, 0.47
HSL	181°, 28%, 41%
HSV	181°, 43%, 53%
XYZ	15.6711, 20.0328, 25.5950
YIQ	116.0710, -34.2930, -11.7730

Conversions

Conversions Part 2

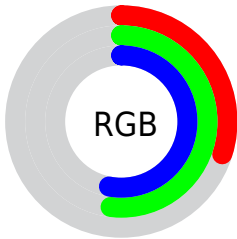
Format	Color
R_{YB}	76, 105, 134
Decimal	5014918
CIE _{Lab}	51.87, -18.39, -6.41
CIE _{LCh}	52, 19.474, 199.210
Yxy	20.0328, 0.2557, 0.3268
Android (android.graphics.Color)	4283204998 (0xFF4C8586)
YUV	116.0710, 8.8390, -35.1423
Hunter-Lab	44.7580, -15.8284, -2.5745

Details

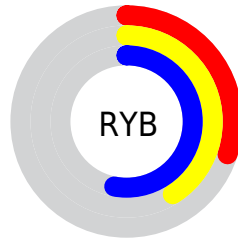
The XYZ color **15.6711, 20.0328, 25.5950** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.7902, 10.8981, 8.2147**, and the grayscale version is **16.6040, 17.4687, 19.0234**.

A 20% lighter version of the original color is **35.5818, 43.3728, 53.5101**, and **5.0244, 6.9972, 9.4733** is the 20% darker color. If you saturate the color by 10%, you get **14.6840, 19.4776, 25.5402**, and if you desaturate by 10%, it is **16.8812, 20.7040, 25.6611**.

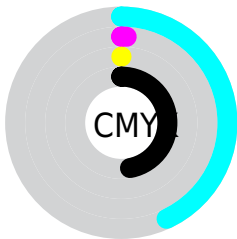
Distribution



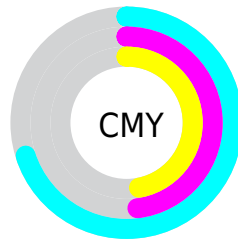
- Red (30%)
- Green (52%)
- Blue (53%)



- Red (30%)
- Yellow (41%)
- Blue (53%)



- Cyan (43%)
- Magenta (1%)
- Yellow (0%)
- Black (47%)



- Cyan (70%)
- Magenta (48%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6711, 20.0328, 25.5950 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 15.6711, 20.0328, 25.5950 by changing the saturation by 10% instead.

■ 15.6711, 20.0328,
25.5950

■ 15.6711, 20.0328,
25.5950

■ 220.7018,
252.0926, 294.3302

■ 9.3811, 12.4189,
16.2979

■ 35.5883, 43.4722,
53.5969

■ 5.0497, 7.0296,
9.5785

■ 49.9463, 60.0664,
73.1387

■ 2.3115, 3.4806,
5.0185

■ 67.7242, 80.4229,
96.9325

■ 0.8005, 1.3875,
2.1992

■ 89.2876, 104.9260,
125.3969

■ 0.0000, 0.2075,
0.6739

■ 115.0017,
133.9601, 158.9503

■ 0.0000, 0.0000,
0.0000

145.2318,

167.9097, 198.0113

180.3434,
207.1591, 242.9984

■ 15.6711, 20.0328,
25.5950

■ 15.6711, 20.0328,
25.5950

■ 14.6840, 19.4776,
25.5402

■ 16.8812, 20.7040,
25.6611

■ 13.9044, 19.0289,
25.4947

■ 18.3252, 21.4955,
25.7378

■ 13.3172, 18.6796,
25.4582


■ 20.0155, 22.4140,
25.8260


■ 12.9050, 18.4206,
25.4299


■ 21.9630, 23.4653,
25.9263


■ 12.6466, 18.2409,
25.4089


■ 24.1780, 24.6545,
26.0391

 12.5130, 18.1409,
25.3966

 26.6702, 25.9867,
26.1648

 29.4488, 27.4667,
26.3041

 32.5227, 29.0990,
26.4571

 35.9003, 30.8880,
26.6244

Harmonies

Analogous

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



15.5445, 20.0328, 19.8367



15.6711, 20.0328, 25.5950



16.6631, 20.0328, 31.1389

Triad

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



15.6711, 20.0328, 25.5950



22.0667, 20.0328, 29.7273



19.7612, 20.0328, 12.7690

Complementary

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



15.6711, 20.0328, 25.5950



13.7902, 10.8981, 8.2147

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.



21.6340, 20.0328, 14.5631



15.6711, 20.0328, 25.5950



23.0250, 20.0328, 23.9149

Square

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



15.6711, 20.0328, 25.5950



20.3192, 20.0328, 33.7955



22.8614, 20.0328, 18.4220



17.8167, 20.0328, 13.0608

Rectangle

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



15.6711, 20.0328, 25.5950



17.7227, 20.0328, 33.6582



22.8614, 20.0328, 18.4220



20.4222, 20.0328, 13.1338

Sweetspot

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



15.6717, 20.0336, 25.5955



35.2636, 39.4901, 45.5022



12.8444, 19.1224, 10.0295



7.8074, 8.8224, 10.2441



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.6717, 20.0336, 25.5955



25.8929, 34.3293, 44.9999



12.2377, 13.1656, 24.4508



4.7949, 5.2655, 5.9644



11.7272, 17.0022, 23.8004



0.0412, 0.0600, 0.0826

Inverse Universe

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



16.6501, 11.9312, 23.6166



27.8650, 18.1247, 40.9829



16.2870, 15.8918, 9.0469



4.8545, 4.7615, 5.8462



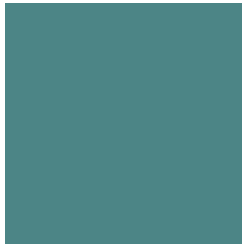
13.0975, 6.3033, 20.8833



0.0456, 0.0219, 0.0738

Previews

White Background



This preview shows how the XYZ color 15.6711, 20.0328, 25.5950 looks on a white 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

Black Background



This preview shows how the XYZ color 15.6711, 20.0328, 25.5950 looks on a black 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

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

XYZ 15.6711, 20.0328, 25.5950

Background



This preview shows how black text looks on a background with the XYZ color 15.6711, 20.0328, 25.5950.



This preview shows how white text looks on a background with the XYZ color 15.6711, 20.0328,

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

15.6711, 20.0328, 25.5950

Protanopia

19.1680, 19.7627, 23.2264

Deuteranopia

20.2851, 19.9062, 26.4401



Tritanopia

16.2756, 20.0752, 28.6083

Trichromacy



Original Color

15.6711, 20.0328, 25.5950

Protanomaly

17.5535, 19.6592, 23.9885

Deuteranomaly

18.2080, 19.7598, 26.1469

Tritanomaly

15.9720, 19.9444, 27.4339

Monochromacy



Original Color

15.6711, 20.0328, 25.5950

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.9015, 18.1158, 21.3975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6711, 20.0328, 25.5950 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(76, 133, 134)` looks like.

```
.text, #text, p{  
    color:rgb(76, 133, 134)  
}
```

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(76, 133, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 133, 134) }
```

Border

The CSS property to change the border of an element to XYZ 15.6711, 20.0328, 25.5950 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(76, 133, 134) }
```


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

```
.border{ border-color:rgb(76, 133, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 133, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 133, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 133, 134);  
box-shadow:4px 4px 4px 4px rgb(76, 133,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6711, 20.0328, 25.5950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 133, 134) }
```

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

```
.background{ background-color: rgb(76, 133,  
134) }
```

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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