

Converting Colors

XYZ(26.9648, 32.0199, 49.8871)

Have a look what the booklet for
XYZ(26.9648, 32.0199, 49.8871)
contains.

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Color

**XYZ(27.0515, 32.1261,
50.1226)**

Conversions

Conversions Part 1

Format	Color
Hex	66A2B8
RGB	102, 162, 184
RGB Percent	40%, 64%, 72%
CMY	0.6000, 0.3647, 0.2784
CMYK	0.45, 0.12, 0.00, 0.28
HSL	196°, 37%, 56%
HSV	196°, 45%, 72%
XYZ	27.0515, 32.1261, 50.1226
YIQ	146.5680, -42.8220, -5.8780

Conversions

Conversions Part 2

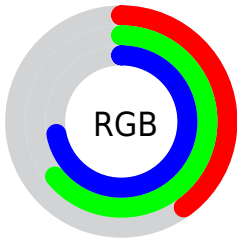
Format	Color
R _Y B	102, 137, 184
Decimal	6726328
CIE Lab	63.45, -13.55, -17.45
CIE LCh	63, 22.093, 232.166
Yxy	32.1261, 0.2475, 0.2939
Android (android.graphics.Color)	4284916408 (0xFF66A2B8)
YUV	146.5680, 18.4540, -39.0861
Hunter-Lab	56.6799, -13.9975, -12.7548

Details

The XYZ color **27.0515, 32.1261, 50.1226** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.3737, 25.5655, 15.9577**, and the grayscale version is **27.4948, 28.9266, 31.5011**.

A 20% lighter version of the original color is **54.4457, 63.0851, 91.7451**, and **10.8450, 13.3949, 23.4866** is the 20% darker color. If you saturate the color by 10%, you get **24.3408, 29.4637, 49.7521**, and if you desaturate by 10%, it is **30.2612, 35.0978, 50.5276**.

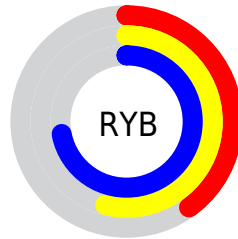
Distribution



Red (40%)

Green (64%)

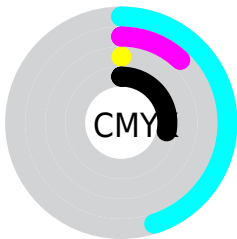
Blue (72%)



Red (40%)

Yellow (54%)

Blue (72%)

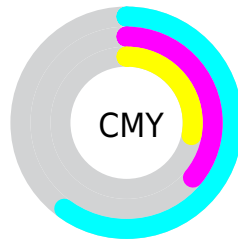


Cyan (45%)

Magenta (12%)

Yellow (0%)

Black (28%)



Cyan (60%)

Magenta (36%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0515, 32.1261, 50.1226 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 27.0515, 32.1261, 50.1226 by changing the saturation by 10% instead.

■ 27.0515, 32.1261,
50.1226

■ 27.0515, 32.1261,
50.1226

280.0694,
311.6933, 403.8940

■ 17.7487, 21.4578,
35.1390

■ 54.3858, 63.0087,
91.7547

■ 10.8683, 13.4591,
23.4855

■ 73.1480, 83.9919,
119.2402

■ 6.0450, 7.7454,
14.7438

■ 95.7941, 109.1821,
151.7301

■ 2.9134, 3.9325,
8.4951

■ 122.6893,
138.9638, 189.6429

■ 1.1081, 1.6359,
4.3211

154.1991,
173.7214, 233.3971

■ 0.0319, 0.3816,
1.8031

190.6888,

■ 0.0000, 0.0000,

213.8392, 283.4114

0.4300

232.5238,
259.7017, 340.1041

■ 0.0000, 0.0000,
0.0000

■ 27.0515, 32.1261,
50.1226

■ 27.0515, 32.1261,
50.1226

■ 24.3408, 29.4637,
49.7521

■ 30.2612, 35.0978,
50.5276

■ 22.0946, 27.0902,
49.4124

■ 33.9953, 38.3905,
50.9663

■ 20.2789, 24.9881,
49.1024

■ 38.2812, 42.0193,
51.4409

■ 18.8531, 23.1360,
48.8200

■ 43.1433, 45.9976,
51.9525

■ 17.7684, 21.5080,
48.5629

■ 48.6044, 50.3375,
52.5024

■ 17.2653, 20.6877,
48.4311

■ 54.6863, 55.0509,
53.0916

■ 61.4095, 60.1488,
53.7212

■ 68.7935, 65.6418,
54.3923

■ 72.0668, 69.0707,
54.8816

Harmonies

Analogous

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



25.3823, 32.1261, 41.7623



27.0515, 32.1261, 50.1226



29.7365, 32.1261, 54.5692

Triad

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



27.0515, 32.1261, 50.1226



36.7718, 32.1261, 37.3378



28.3590, 32.1261, 21.5300

Complementary

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



27.0515, 32.1261, 50.1226



29.3737, 25.5655, 15.9577

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.



31.3475, 32.1261, 20.7488



27.0515, 32.1261, 50.1226



36.3415, 32.1261, 28.9747

Square

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



27.0515, 32.1261, 50.1226



35.4443, 32.1261, 46.4223



34.3052, 32.1261, 23.2428



26.1011, 32.1261, 25.5915

Rectangle

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



27.0515, 32.1261, 50.1226



31.7974, 32.1261, 54.2709



34.3052, 32.1261, 23.2428



29.3062, 32.1261, 20.9061

Sweetspot

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



27.0525, 32.1273, 50.1234



70.5191, 77.1040, 93.3704



26.2504, 38.5583, 25.0844



14.8087, 16.2947, 20.0863



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.0525, 32.1273, 50.1234



44.4292, 53.7203, 90.2320



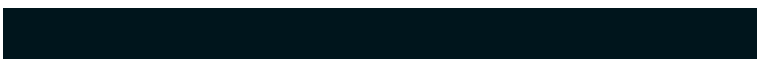
20.9856, 19.9935, 48.1011



9.0574, 9.7920, 11.4921



11.9596, 14.3790, 33.3981



0.4697, 0.6031, 1.1934

Inverse Universe

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



31.0409, 22.3026, 36.8525



52.7947, 34.6448, 62.0537



35.5972, 38.0126, 18.0322



9.2753, 9.1205, 10.7972



16.6504, 8.2339, 16.5774



0.6112, 0.3000, 0.7123

Previews

White Background



This preview shows how the XYZ color 27.0515, 32.1261, 50.1226 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.0515, 32.1261, 50.1226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

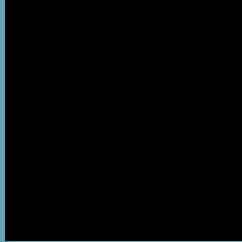
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.0515, 32.1261, 50.1226

Background



This preview shows how black text looks on a background with the XYZ color 27.0515, 32.1261, 50.1226.



This preview shows how white text looks on a background with the XYZ color 27.0515, 32.1261,

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

27.0515, 32.1261, 50.1226

Protanopia

31.3768, 31.9267, 46.1037

Deuteranopia

32.6385, 31.9799, 51.4662



Tritanopia

26.1892, 32.0383, 45.8780

Trichromacy



Original Color

27.0515, 32.1261, 50.1226

Protanomaly

29.4868, 31.8975, 47.7827

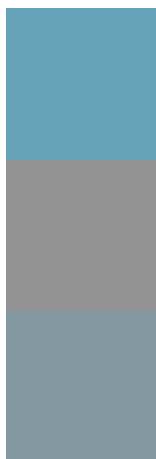
Deuteranomaly

30.0914, 31.6429, 50.9761

Tritanomaly

26.6007, 32.2158, 47.4641

Monochromacy



Original Color

27.0515, 32.1261, 50.1226

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

26.9335, 29.8198, 37.5940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0515, 32.1261, 50.1226 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(102, 162, 184)` looks like.

```
.text, #text, p{  
    color:rgb(102, 162, 184)  
}
```

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(102, 162, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 162, 184) }
```

Border

The CSS property to change the border of an element to XYZ 27.0515, 32.1261, 50.1226 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(102, 162, 184) }
```


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

```
.border{ border-color:rgb(102, 162, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 162, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 162, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 162, 184);  
box-shadow:4px 4px 4px 4px rgb(102, 162,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0515, 32.1261, 50.1226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 162, 184) }
```

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

```
.background{ background-color: rgb(102,  
162, 184) }
```

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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