

Converting Colors

XYZ(12.7555, 12.1427, 43.2665)

Have a look what the booklet for
XYZ(12.7555, 12.1427, 43.2665)
contains.

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Color

**XYZ(12.7555, 12.1427,
43.2665)**

Conversions

Conversions Part 1

Format	Color
Hex	1B62B1
RGB	27, 98, 177
RGB Percent	11%, 38%, 69%
CMY	0.8941, 0.6157, 0.3059
CMYK	0.85, 0.45, 0.00, 0.31
HSL	212°, 74%, 40%
HSV	212°, 85%, 69%
XYZ	12.7555, 12.1427, 43.2665
YIQ	85.7770, -67.6750, 9.5170

Conversions

Conversions Part 2

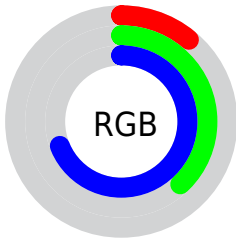
Format	Color
R_{YB}	27, 75, 177
Decimal	1794737
CIE Lab	41.44, 8.40, -48.00
CIE LCh	41, 48.728, 279.921
Yxy	12.1427, 0.1871, 0.1781
Android (android.graphics.Color)	4279984817 (0xFF1B62B1)
YUV	85.7770, 44.9729, -51.5474
Hunter-Lab	34.8464, 4.3587, -49.2241

Details

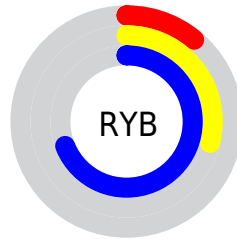
The XYZ color **12.7555, 12.1427, 43.2665** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **23.4853, 19.7378, 3.6098**, and the grayscale version is **8.7174, 9.1714, 9.9877**.

A 20% lighter version of the original color is **30.4435, 29.7157, 81.2219**, and **4.9112, 4.0014, 19.5823** is the 20% darker color. If you saturate the color by 10%, you get **11.5981, 10.3257, 42.9771**, and if you desaturate by 10%, it is **14.2971, 14.3088, 43.6036**.

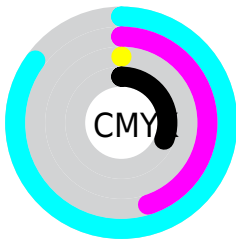
Distribution



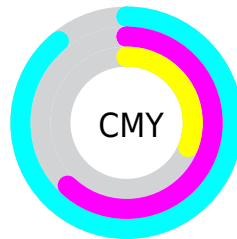
- Red (11%)
- Green (38%)
- Blue (69%)



- Red (11%)
- Yellow (29%)
- Blue (69%)



- Cyan (85%)
- Magenta (45%)
- Yellow (0%)
- Black (31%)



- Cyan (89%)
- Magenta (62%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7555, 12.1427, 43.2665 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 12.7555, 12.1427, 43.2665 by changing the saturation by 10% instead.

■ 12.7555, 12.1427,
43.2665

■ 12.7555, 12.1427,
43.2665

203.0141,
205.3477, 375.6600

■ 7.3362, 6.8409,
29.7613

■ 30.4689, 29.7547,
81.4035

■ 3.7214, 3.3628,
19.4070

■ 43.4937, 42.8338,
106.8725

■ 1.5458, 1.3240,
11.7849

■ 59.7845, 59.2741,
137.1664

■ 0.3567, 0.1596,
6.4767

■ 79.7065, 79.4600,
172.7039

■ 0.0000, 0.0000,
3.0636

■ 103.6251,
103.7759, 213.9034

■ 0.0000, 0.0000,
1.1272

■ 131.9057,

■ 0.0000, 0.0000,

132.6063, 261.1836

0.0000

164.9136,
166.3354, 314.9629

■ 12.7555, 12.1427,
43.2665

■ 12.7555, 12.1427,
43.2665

■ 11.5981, 10.3257,
42.9771

■ 14.2971, 14.3088,
43.6036

■ 11.0884, 9.4795,
42.8406

■ 16.2689, 16.8524,
43.9907

■ 18.7109, 19.7988,
44.4307

■ 21.6579, 23.1705,
44.9262

■ 25.1410, 26.9878,
45.4794

■ 29.1884, 31.2695,
46.0925

■ 33.8266, 36.0330,
46.7675

■ 39.0799, 41.2951,
47.5063

■ 44.9716, 47.0712,
48.3107

Harmonies

Analogous

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



9.3564, 12.1427, 41.3250



12.7555, 12.1427, 43.2665



16.4896, 12.1427, 34.5461

Triad

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



12.7555, 12.1427, 43.2665



17.5957, 12.1427, 4.2359



6.2514, 12.1427, 7.5894

Complementary

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



12.7555, 12.1427, 43.2665



23.4853, 19.7378, 3.6098

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.



7.6975, 12.1427, 3.1917



12.7555, 12.1427, 43.2665



14.0423, 12.1427, 2.0576

Square

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



12.7555, 12.1427, 43.2665



19.6388, 12.1427, 10.1361



10.4067, 12.1427, 1.8095



6.0462, 12.1427, 16.8766

Rectangle

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



12.7555, 12.1427, 43.2665



18.4989, 12.1427, 25.6125



10.4067, 12.1427, 1.8095



6.5920, 12.1427, 5.6541

Sweetspot

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



12.7560, 12.1431, 43.2668



51.7413, 55.4455, 82.4703



18.6993, 32.6876, 18.5562



10.6554, 11.4306, 17.7891



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



12.7560, 12.1431, 43.2668



19.6407, 16.5410, 76.6528



8.8496, 4.2277, 41.9449



8.3626, 8.8713, 10.7779



8.0938, 6.9880, 31.0592



0.3132, 0.3370, 0.9968

Inverse Universe

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



20.7285, 11.0136, 12.5887



35.2126, 17.8363, 15.9471



33.4876, 40.5800, 7.1056



8.6582, 8.5700, 9.6985



14.3200, 7.2456, 6.8453



0.4801, 0.2398, 0.3710

Previews

White Background



This preview shows how the XYZ color 12.7555, 12.1427, 43.2665 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 12.7555, 12.1427, 43.2665 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 12.7555, 12.1427, 43.2665

Background



This preview shows how black text looks on a background with the XYZ color 12.7555, 12.1427, 43.2665.



This preview shows how white text looks on a background with the XYZ color 12.7555, 12.1427,

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

12.7555, 12.1427, 43.2665

Protanopia

13.5957, 12.2011, 41.6829

Deuteranopia

12.2983, 12.0583, 42.7536



Tritanopia

8.5149, 11.9861, 18.3878

Trichromacy



Original Color

12.7555, 12.1427, 43.2665

Protanomaly

13.1397, 12.0893, 42.1984

Deuteranomaly

12.4235, 12.1228, 42.7594

Tritanomaly

9.6629, 11.8001, 25.8131

Monochromacy



Original Color

12.7555, 12.1427, 43.2665

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.1659, 9.7681, 18.8551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7555, 12.1427, 43.2665 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(27, 98, 177)` looks like.

```
.text, #text, p{  
    color:rgb(27, 98, 177)  
}
```

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(27, 98, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 98, 177) }
```

Border

The CSS property to change the border of an element to XYZ 12.7555, 12.1427, 43.2665 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(27, 98, 177) }
```


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

```
.border{ border-color:rgb(27, 98, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 98, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 98, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 98, 177);  
box-shadow:4px 4px 4px 4px rgb(27, 98,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7555, 12.1427, 43.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 98, 177) }
```

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

```
.background{ background-color: rgb(27, 98,  
177) }
```

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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