

Converting Colors

XYZ(12.5898, 14.5976, 20.4771)

Have a look what the booklet for
XYZ(12.5898, 14.5976, 20.4771)
contains.

XYZ(12.5906, 14.5234, 20.5520)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5906, 14.5234,
20.5520)**

Conversions

Conversions Part 1

Format	Color
Hex	516F7A
RGB	81, 111, 122
RGB Percent	32%, 44%, 48%
CMY	0.6823, 0.5647, 0.5216
CMYK	0.34, 0.09, 0.00, 0.52
HSL	196°, 20%, 40%
HSV	196°, 34%, 48%
XYZ	12.5906, 14.5234, 20.5520
YIQ	103.2840, -21.4110, -2.9390

Conversions

Conversions Part 2

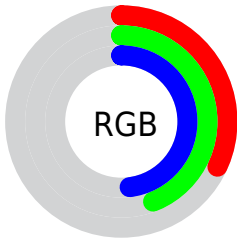
Format	Color
R_{YB}	81, 98, 122
Decimal	5336954
CIE Lab	44.97, -7.94, -9.60
CIE LCh	45, 12.455, 230.405
Yxy	14.5234, 0.2641, 0.3047
Android (android.graphics.Color)	4283527034 (0xFF516F7A)
YUV	103.2840, 9.2270, -19.5431
Hunter-Lab	38.1096, -7.7191, -5.2976

Details

The XYZ color **12.5906, 14.5234, 20.5520** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.3384, 12.3859, 9.4725**, and the grayscale version is **12.9480, 13.6224, 14.8347**.

A 20% lighter version of the original color is **30.2529, 34.1559, 45.0427**, and **3.6073, 4.3594, 6.9547** is the 20% darker color. If you saturate the color by 10%, you get **11.2872, 13.3313, 20.3909**, and if you desaturate by 10%, it is **14.0959, 15.8396, 20.7270**.

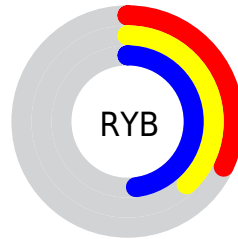
Distribution



Red (32%)

Green (44%)

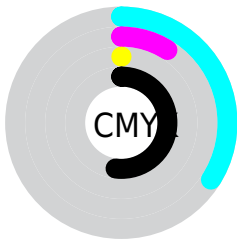
Blue (48%)



Red (32%)

Yellow (38%)

Blue (48%)

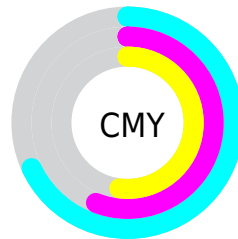


Cyan (34%)

Magenta (9%)

Yellow (0%)

Black (52%)



Cyan (68%)

Magenta (56%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5906, 14.5234, 20.5520 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 12.5906, 14.5234, 20.5520 by changing the saturation by 10% instead.

■ 12.5906, 14.5234,
20.5520

■ 12.5906, 14.5234,
20.5520

201.9680,
220.4631, 267.5903

■ 7.2223, 8.4856,
12.6089

■ 30.1739, 34.0149,
45.2118

■ 3.6491, 4.4072,
7.0322

■ 43.1196, 48.2373,
62.7656

■ 1.5056, 1.9039,
3.4035

■ 59.3218, 65.9568,
84.3600

■ 0.3296, 0.5507,
1.3042

■ 79.1459, 87.5577,
110.4135

■ 0.0000, 0.0000,
0.0652

■ 102.9572,
113.4243, 141.3448

■ 0.0000, 0.0000,
0.0000

131.1211,

143.9412, 177.5724

164.0029,
179.4926, 219.5147

■ 12.5906, 14.5234,
20.5520

■ 12.5906, 14.5234,
20.5520

■ 11.2872, 13.3313,
20.3909

■ 14.0959, 15.8396,
20.7270

■ 10.1740, 12.2563,
20.2420

■ 15.8111, 17.2834,
20.9152

■ 9.2405, 11.2928,
20.1052

■ 17.7456, 18.8600,
21.1176

■ 8.4743, 10.4344,
19.9799

■ 19.9077, 20.5739,
21.3345

■ 7.8612, 9.6735,
19.8654

■ 22.3052, 22.4295,
21.5663

■ 7.3830, 9.0005,
19.7607

■ 24.9455, 24.4306,
21.8134

■ 7.1081, 8.5956,
19.6970

■ 27.8359, 26.5812,
22.0761

■ 30.9831, 28.8850,
22.3549

■ 34.3938, 31.3456,
22.6501

Harmonies

Analogous

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



12.0451, 14.5234, 17.8552



12.5906, 14.5234, 20.5520



13.4795, 14.5234, 22.0281

Triad

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



12.5906, 14.5234, 20.5520



15.8310, 14.5234, 16.7690



13.1311, 14.5234, 11.1089

Complementary

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



12.5906, 14.5234, 20.5520



13.3384, 12.3859, 9.4725

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.



14.1338, 14.5234, 10.8937



12.5906, 14.5234, 20.5520



15.7264, 14.5234, 13.9337

Square

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



12.5906, 14.5234, 20.5520



15.3722, 14.5234, 19.6732



15.0931, 14.5234, 11.8658



12.3463, 14.5234, 12.4949

Rectangle

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



12.5906, 14.5234, 20.5520



14.1615, 14.5234, 22.0109



15.0931, 14.5234, 11.8658



13.4526, 14.5234, 10.9045

Sweetspot

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



12.5910, 14.5240, 20.5523



28.9177, 31.3132, 36.9128



12.2819, 16.4402, 12.6361



6.5270, 7.0900, 8.4312



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.5910, 14.5240, 20.5523



20.4299, 23.9874, 35.9462



10.6106, 10.5630, 19.8922



4.0205, 4.3392, 5.0688



7.4766, 9.0357, 20.7353



34.9348, 41.6423, 98.6663

Inverse Universe

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



13.8380, 11.1704, 16.4664



23.0177, 17.3656, 27.3911



15.3535, 16.4161, 10.1442



4.1108, 4.0600, 4.7810



10.3572, 5.1190, 10.4378



49.0366, 24.2710, 47.8504

Previews

White Background



This preview shows how the XYZ color 12.5906, 14.5234, 20.5520 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 12.5906, 14.5234, 20.5520 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

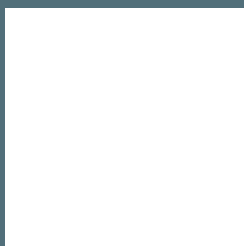
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5906, 14.5234, 20.5520

Background



This preview shows how black text looks on a background with the XYZ color 12.5906, 14.5234, 20.5520.



This preview shows how white text looks on a background with the XYZ color 12.5906, 14.5234,

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

12.5906, 14.5234, 20.5520

Protanopia

14.0305, 14.3542, 19.1707

Deuteranopia

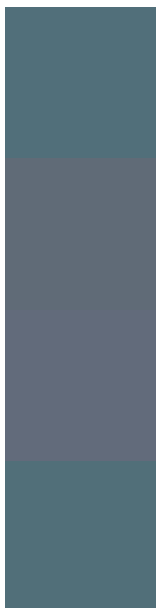
14.7727, 14.5440, 21.0974



Tritanopia

12.4679, 14.4743, 19.9060

Trichromacy



Original Color

12.5906, 14.5234, 20.5520

Protanomaly

13.4113, 14.3341, 19.5127

Deuteranomaly

13.8698, 14.5421, 20.8148

Tritanomaly

12.5290, 14.4987, 20.2273

Monochromacy



Original Color

12.5906, 14.5234, 20.5520

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6878, 13.8668, 16.7597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5906, 14.5234, 20.5520 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(81, 111, 122) looks like.

```
.text, #text, p{  
    color:rgb(81, 111, 122)  
}
```

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(81, 111, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 111, 122) }
```

Border

The CSS property to change the border of an element to XYZ 12.5906, 14.5234, 20.5520 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(81, 111, 122) }
```


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

```
.border{ border-color:rgb(81, 111, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 111, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 111, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 111, 122);  
box-shadow:4px 4px 4px 4px rgb(81, 111,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5906, 14.5234, 20.5520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 111, 122) }
```

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

```
.background{ background-color: rgb(81, 111,  
122) }
```

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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