

Converting Colors

XYZ(12.2163, 14.9711, 21.6479)

Have a look what the booklet for
XYZ(12.2163, 14.9711, 21.6479)
contains.

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Color

**XYZ(12.2163, 14.9711,
21.6479)**

Conversions

Conversions Part 1

Format	Color
Hex	44737D
RGB	68, 115, 125
RGB Percent	27%, 45%, 49%
CMY	0.7333, 0.5490, 0.5098
CMYK	0.46, 0.08, 0.00, 0.51
HSL	191°, 30%, 38%
HSV	191°, 46%, 49%
XYZ	12.2163, 14.9711, 21.6479
YIQ	102.0870, -31.2220, -6.8540

Conversions

Conversions Part 2

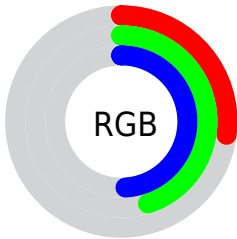
Format	Color
RYB	68, 94, 125
Decimal	4486013
CIELab	45.59, -13.16, -10.53
CIElCh	46, 16.858, 218.665
Yxy	14.9711, 0.2502, 0.3066
Android (android.graphics.Color)	4282676093 (0xFF44737D)
YUV	102.0870, 11.2961, -29.8943
Hunter-Lab	38.6925, -11.3545, -6.0871

Details

The XYZ color **12.2163, 14.9711, 21.6479** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.2255, 10.2263, 6.7987**, and the grayscale version is **12.6297, 13.2874, 14.4700**.

A 20% lighter version of the original color is **29.6003, 34.8449, 47.2851**, and **3.4928, 4.6295, 7.5470** is the 20% darker color. If you saturate the color by 10%, you get **11.1888, 14.0749, 21.5293**, and if you desaturate by 10%, it is **13.4366, 15.9762, 21.7778**.

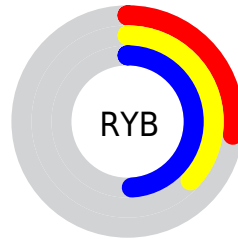
Distribution



Red (27%)

Green (45%)

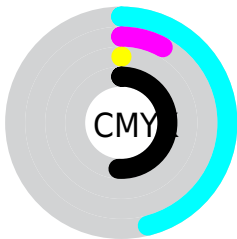
Blue (49%)



Red (27%)

Yellow (37%)

Blue (49%)

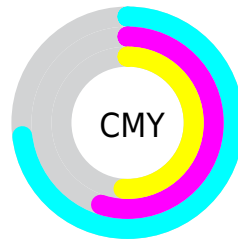


Cyan (46%)

Magenta (8%)

Yellow (0%)

Black (51%)



Cyan (73%)

Magenta (55%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2163, 14.9711, 21.6479 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 12.2163, 14.9711, 21.6479 by changing the saturation by 10% instead.

■ 12.2163, 14.9711,
21.6479

■ 12.2163, 14.9711,
21.6479

199.5728,
223.1912, 273.5952

■ 6.9644, 8.7991,
13.4026

■ 29.5019, 34.8025,
47.0581

■ 3.4860, 4.6104,
7.5724

■ 42.2663, 49.2306,
65.0600

■ 1.4157, 2.0205,
3.7387

■ 58.2656, 67.1797,
87.1512

■ 0.2673, 0.6194,
1.4831

■ 77.8651, 89.0339,
113.7502

■ 0.0000, 0.0000,
0.2053

■ 101.4303,
115.1778, 145.2756

■ 0.0000, 0.0000,
0.0000

129.3264,

145.9957, 182.1458

161.9188,
181.8721, 224.7795

■ 12.2163, 14.9711,
21.6479

■ 12.2163, 14.9711,
21.6479

■ 11.1888, 14.0749,
21.5293

■ 13.4366, 15.9762,
21.7778

■ 10.3408, 13.2797,
21.4205

■ 14.8592, 17.0941,
21.9186

■ 9.6593, 12.5791,
21.3212

■ 16.4948, 18.3307,
22.0711

■ 9.1291, 11.9651,
21.2307

■ 18.3526, 19.6909,
22.2358

■ 8.7248, 11.4246,
21.1476

■ 20.4415, 21.1794,
22.4130

■ 8.5593, 11.1958,
21.1122

■ 22.7698, 22.8004,
22.6031

■ 25.3455, 24.5580,
22.8066

■ 28.1761, 26.4564,
23.0239

■ 31.2688, 28.4991,
23.2552

Harmonies

Analogous

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



11.7146, 14.9711, 17.4987



12.2163, 14.9711, 21.6479



13.2660, 14.9711, 24.6538

Triad

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



12.2163, 14.9711, 21.6479



16.9067, 14.9711, 19.2916



13.8251, 14.9711, 9.7680

Complementary

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



12.2163, 14.9711, 21.6479



12.2255, 10.2263, 6.7987

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.



15.2387, 14.9711, 10.0865



12.2163, 14.9711, 21.6479



17.0810, 14.9711, 15.1592

Square

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



12.2163, 14.9711, 21.6479



15.9911, 14.9711, 23.1448



16.4527, 14.9711, 11.9161



12.6024, 14.9711, 10.9598

Rectangle

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



12.2163, 14.9711, 21.6479



14.1665, 14.9711, 25.3586



16.4527, 14.9711, 11.9161



14.2928, 14.9711, 9.7066

Sweetspot

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



12.2168, 14.9717, 21.6483



29.9346, 33.1200, 39.5594



11.0751, 16.4394, 9.7039



6.6808, 7.4383, 8.9867



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.2168, 14.9717, 21.6483



19.9144, 25.0943, 38.5384



9.4941, 9.5264, 20.7407



4.3843, 4.7626, 5.5015



8.9287, 11.6758, 22.0330



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.6195, 9.7324, 17.3810



22.8590, 14.7517, 29.4336



14.6552, 15.0858, 7.6086



4.4668, 4.3999, 5.2627



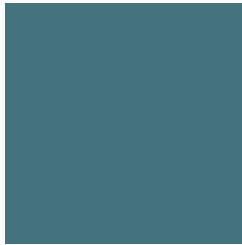
11.3838, 5.5732, 13.8765



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2163, 14.9711, 21.6479 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 12.2163, 14.9711, 21.6479 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

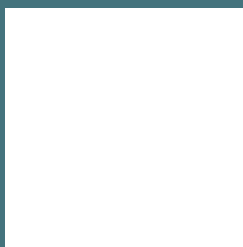
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2163, 14.9711, 21.6479

Background



This preview shows how black text looks on a background with the XYZ color 12.2163, 14.9711, 21.6479.



This preview shows how white text looks on a background with the XYZ color 12.2163, 14.9711,

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

12.2163, 14.9711, 21.6479

Protanopia

14.5917, 14.9356, 19.8831

Deuteranopia

15.0667, 14.8236, 22.1458



Tritanopia

12.1527, 14.9456, 21.3131

Trichromacy



Original Color

12.2163, 14.9711, 21.6479

Protanomaly

13.5024, 14.8323, 20.5636

Deuteranomaly

13.7487, 14.7708, 21.8651

Tritanomaly

12.1527, 14.9456, 21.3131

Monochromacy



Original Color

12.2163, 14.9711, 21.6479

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.2886, 13.8148, 16.7707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2163, 14.9711, 21.6479 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(68, 115, 125)` looks like.

```
.text, #text, p{  
    color:rgb(68, 115, 125)  
}
```

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(68, 115, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 115, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.2163, 14.9711, 21.6479 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(68, 115, 125) }
```


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

```
.border{ border-color:rgb(68, 115, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 115, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 115, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 115, 125);  
box-shadow:4px 4px 4px 4px rgb(68, 115,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2163, 14.9711, 21.6479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 115, 125) }
```

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

```
.background{ background-color: rgb(68, 115,  
125) }
```

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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