

Converting Colors

XYZ(12.1469, 14.2391, 24.5516)

Have a look what the booklet for
XYZ(12.1469, 14.2391, 24.5516)
contains.

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Color

**XYZ(12.1675, 14.2139,
24.6565)**

Conversions

Conversions Part 1

Format	Color
Hex	416F86
RGB	65, 111, 134
RGB Percent	25%, 44%, 53%
CMY	0.7451, 0.5647, 0.4745
CMYK	0.51, 0.17, 0.00, 0.47
HSL	200°, 35%, 39%
HSV	200°, 51%, 53%
XYZ	12.1675, 14.2139, 24.6565
YIQ	99.8680, -34.7990, -2.5990

Conversions

Conversions Part 2

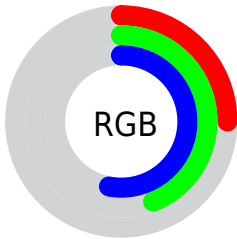
Format	Color
R_{YB}	65, 93, 134
Decimal	4288390
CIE _{Lab}	44.54, -8.95, -17.53
CIE _{LCh}	45, 19.679, 242.962
Yxy	14.2139, 0.2384, 0.2785
Android (android.graphics.Color)	4282478470 (0xFF416F86)
YUV	99.8680, 16.8271, -30.5792
Hunter-Lab	37.7013, -8.3693, -12.3845

Details

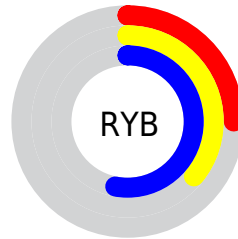
The XYZ color **12.1675, 14.2139, 24.6565** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.2758, 12.4300, 6.6484**, and the grayscale version is **12.0448, 12.6720, 13.7999**.

A 20% lighter version of the original color is **29.4030, 33.5641, 51.9425**, and **3.4278, 4.2209, 9.0216** is the 20% darker color. If you saturate the color by 10%, you get **10.9083, 12.8595, 24.4617**, and if you desaturate by 10%, it is **13.6625, 15.7266, 24.8700**.

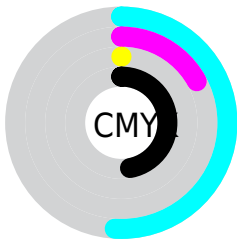
Distribution



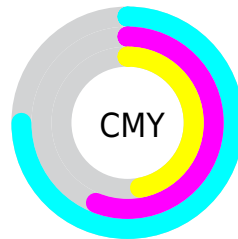
- Red (25%)
- Green (44%)
- Blue (53%)



- Red (25%)
- Yellow (36%)
- Blue (53%)



- Cyan (51%)
- Magenta (17%)
- Yellow (0%)
- Black (47%)



- Cyan (75%)
- Magenta (56%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1675, 14.2139, 24.6565 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 12.1675, 14.2139, 24.6565 by changing the saturation by 10% instead.

■ 12.1675, 14.2139,
24.6565

■ 12.1675, 14.2139,
24.6565

199.2584,
218.5575, 289.5157

■ 6.9309, 8.2696,
15.6046

■ 29.4140, 33.4681,
52.0566

■ 3.4648, 4.2679,
9.0935

■ 42.1546, 47.5467,
71.2419

■ 1.4041, 1.8245,
4.7046

■ 58.1273, 65.1056,
94.6421

■ 0.2591, 0.5024,
2.0193

■ 77.6973, 86.5292,
122.6758

■ 0.0000, 0.0000,
0.5671

■ 101.2301,
112.2017, 155.7614

■ 0.0000, 0.0000,
0.0000

129.0909,

142.5077, 194.3176

161.6453,
177.8315, 238.7628

■ 12.1675, 14.2139,
24.6565

■ 12.1675, 14.2139,
24.6565

■ 10.9083, 12.8595,
24.4617

■ 13.6625, 15.7266,
24.8700

■ 9.8681, 11.6534,
24.2837

■ 15.4058, 17.4038,
25.1018

■ 9.0297, 10.5864,
24.1220

■ 17.4109, 19.2531,
25.3531

■ 8.3727, 9.6476,
23.9754

■ 19.6896, 21.2811,
25.6244

■ 7.9033, 8.9217,
23.8600

■ 22.2530, 23.4941,
25.9165

■ 25.1116, 25.8979,
26.2298

■ 28.2754, 28.4982,
26.5649

■ 31.7538, 31.3002,
26.9224

■ 35.5560, 34.3091,
27.3028

Harmonies

Analogous

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



11.1041, 14.2139, 20.7448



12.1675, 14.2139, 24.6565



13.6685, 14.2139, 25.9682

Triad

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



12.1675, 14.2139, 24.6565



16.7981, 14.2139, 15.0285



11.9141, 14.2139, 9.2323

Complementary

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



12.1675, 14.2139, 24.6565



14.2758, 12.4300, 6.6484

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.



13.3525, 14.2139, 8.2770



12.1675, 14.2139, 24.6565



16.2402, 14.2139, 11.1855

Square

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



12.1675, 14.2139, 24.6565



16.4194, 14.2139, 19.8067



14.9475, 14.2139, 8.9154



10.9661, 14.2139, 11.8285

Rectangle

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



12.1675, 14.2139, 24.6565



14.7378, 14.2139, 25.0171



14.9475, 14.2139, 8.9154



12.3522, 14.2139, 8.7345

Sweetspot

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



12.1680, 14.2144, 24.6568



33.0908, 36.0848, 44.9594



12.4670, 18.8789, 12.2200



7.2931, 7.9855, 10.1097



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.



12.1680, 14.2144, 24.6568



18.8471, 22.2392, 43.0377



9.1026, 8.0837, 23.6350



4.6743, 5.0243, 5.9242



7.4166, 8.3809, 22.3635



0.0324, 0.0425, 0.0797

Inverse Universe

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



14.5915, 9.9971, 16.2000



23.8200, 14.6361, 25.4492



17.8071, 19.4926, 7.8255



4.7936, 4.7371, 5.5256



10.9217, 5.4330, 9.4257



0.0412, 0.0202, 0.0505

Previews

White Background



This preview shows how the XYZ color 12.1675, 14.2139, 24.6565 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 12.1675, 14.2139, 24.6565 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

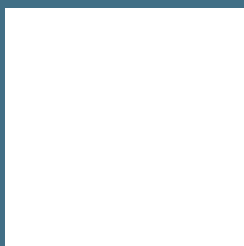
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1675, 14.2139, 24.6565

Background



This preview shows how black text looks on a background with the XYZ color 12.1675, 14.2139, 24.6565.

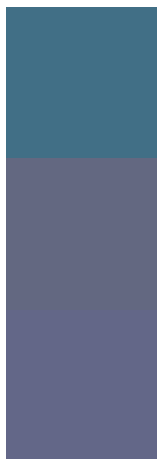


This preview shows how white text looks on a background with the XYZ color 12.1675, 14.2139,

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

12.1675, 14.2139, 24.6565

Protanopia

14.0584, 14.1383, 22.7569

Deuteranopia

14.4398, 14.1307, 25.2590



Tritanopia

11.3424, 14.2075, 20.5569

Trichromacy



Original Color

12.1675, 14.2139, 24.6565

Protanomaly

13.2849, 14.1803, 23.5096

Deuteranomaly

13.4577, 14.0836, 24.9308

Tritanomaly

11.5467, 14.1188, 21.8553

Monochromacy



Original Color

12.1675, 14.2139, 24.6565

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.8054, 13.0967, 17.2349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1675, 14.2139, 24.6565 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(65, 111, 134)` looks like.

```
.text, #text, p{  
    color:rgb(65, 111, 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(65, 111, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 111, 134) }
```

Border

The CSS property to change the border of an element to XYZ 12.1675, 14.2139, 24.6565 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(65, 111, 134) }
```


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

```
.border{ border-color:rgb(65, 111, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 111, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 111, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 111, 134);  
box-shadow:4px 4px 4px 4px rgb(65, 111,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1675, 14.2139, 24.6565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 111, 134) }
```

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

```
.background{ background-color: rgb(65, 111,  
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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