

Converting Colors

XYZ(12.7209, 13.8382, 21.6612)

Have a look what the booklet for
XYZ(12.7209, 13.8382, 21.6612)
contains.

XYZ(12.6662, 13.7457, 21.7243)	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(12.6662, 13.7457,
21.7243)**

Conversions

Conversions Part 1

Format	Color
Hex	556A7E
RGB	85, 106, 126
RGB Percent	33%, 42%, 49%
CMY	0.6667, 0.5843, 0.5059
CMYK	0.33, 0.16, 0.00, 0.51
HSL	209°, 19%, 41%
HSV	209°, 33%, 49%
XYZ	12.6662, 13.7457, 21.7243
YIQ	102.0010, -18.9360, 1.7680

Conversions

Conversions Part 2

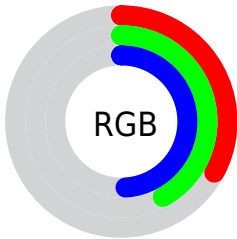
Format	Color
R_{YB}	85, 99, 126
Decimal	5597822
CIE _{Lab}	43.87, -2.65, -13.65
CIE _{LCh}	44, 13.905, 259.005
Yxy	13.7457, 0.2631, 0.2856
Android (android.graphics.Color)	4283787902 (0xFF556A7E)
YUV	102.0010, 11.8315, -14.9099
Hunter-Lab	37.0752, -3.8997, -8.7885

Details

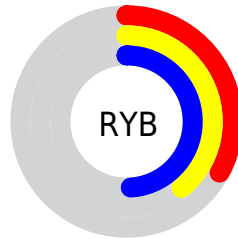
The XYZ color **12.6662, 13.7457, 21.7243** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.2956, 15.1947, 10.7213**, and the grayscale version is **12.6035, 13.2598, 14.4400**.

A 20% lighter version of the original color is **30.3470, 32.6029, 47.3413**, and **3.7028, 4.0758, 7.6127** is the 20% darker color. If you saturate the color by 10%, you get **11.0118, 11.9863, 21.4721**, and if you desaturate by 10%, it is **14.5706, 15.7020, 22.0018**.

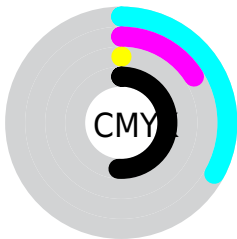
Distribution



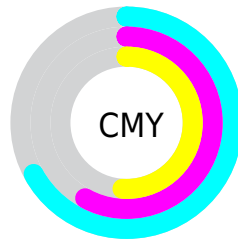
- Red (33%)
- Green (42%)
- Blue (49%)



- Red (33%)
- Yellow (39%)
- Blue (49%)



- Cyan (33%)
- Magenta (16%)
- Yellow (0%)
- Black (51%)



- Cyan (67%)
- Magenta (58%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6662, 13.7457, 21.7243 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 12.6662, 13.7457, 21.7243 by changing the saturation by 10% instead.

■ 12.6662, 13.7457,
21.7243

■ 12.6662, 13.7457,
21.7243

202.4483,
215.6430, 274.0095

■ 7.2745, 7.9440,
13.4581

■ 30.3092, 32.6371,
47.1862

■ 3.6822, 4.0591,
7.6103

■ 43.2913, 46.4957,
65.2190

■ 1.5240, 1.7067,
3.7624

■ 59.5341, 63.8086,
87.3444

■ 0.3421, 0.4280,
1.4959

■ 79.4032, 84.9603,
113.9810

■ 0.0000, 0.0000,
0.2149

■ 103.2638,
110.3352, 145.5472

■ 0.0000, 0.0000,
0.0000

131.4812,

140.3177, 182.4617

164.4210,
175.2922, 225.1429

■ 12.6662, 13.7457,
21.7243

■ 12.6662, 13.7457,
21.7243

■ 11.0118, 11.9863,
21.4721

■ 14.5706, 15.7020,
22.0018

■ 9.5944, 10.4148,
21.2435

■ 16.7346, 17.8606,
22.3044

■ 8.4016, 9.0236,
21.0378

■ 19.1689, 20.2286,
22.6331

■ 7.4192, 7.8039,
20.8542

■ 21.8832, 22.8123,
22.9888

■ 6.6314, 6.7461,
20.6915

■ 24.8867, 25.6178,
23.3720

■ 6.0195, 5.8388,
20.5487

■ 28.1880, 28.6506,
23.7834

■ 5.6300, 5.2344,
20.4525

■ 31.7955, 31.9163,
24.2236

■ 35.7173, 35.4202,
24.6932

■ 39.9610, 39.1674,
25.1928

Harmonies

Analogous

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



11.7278, 13.7457, 20.0121



12.6662, 13.7457, 21.7243



13.7648, 13.7457, 21.4451

Triad

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



12.6662, 13.7457, 21.7243



15.1653, 13.7457, 13.0821



11.5347, 13.7457, 11.3391

Complementary

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



12.6662, 13.7457, 21.7243



15.2956, 15.1947, 10.7213

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.



12.3891, 13.7457, 9.9452



12.6662, 13.7457, 21.7243



14.4999, 13.7457, 10.8498

Square

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



12.6662, 13.7457, 21.7243



15.2498, 13.7457, 16.1502



13.4718, 13.7457, 9.7796



11.0993, 13.7457, 13.8425

Rectangle

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



12.6662, 13.7457, 21.7243



14.4398, 13.7457, 20.1764



13.4718, 13.7457, 9.7796



11.7801, 13.7457, 10.7412

Sweetspot

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



12.6666, 13.7462, 21.7246



30.4011, 32.3659, 39.3893



13.7478, 17.8694, 16.0401



6.8076, 7.2566, 8.9449



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.



12.6666, 13.7462, 21.7246



20.1071, 21.8797, 37.9078



10.8150, 10.0431, 21.1074



4.2767, 4.5475, 5.4656



5.7715, 5.3615, 20.9806



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4545, 11.9735, 15.1855



23.8350, 18.5065, 24.2009



17.6179, 19.8393, 11.4954



4.4125, 4.3782, 4.9768



9.7901, 4.9358, 5.4847



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6662, 13.7457, 21.7243 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 12.6662, 13.7457, 21.7243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

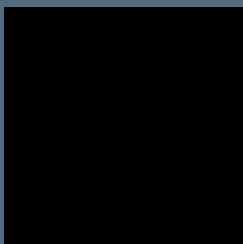
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

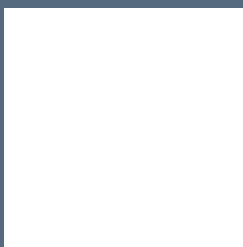
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6662, 13.7457, 21.7243

Background



This preview shows how black text looks on a background with the XYZ color 12.6662, 13.7457, 21.7243.

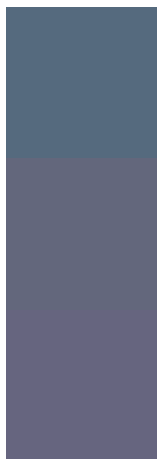


This preview shows how white text looks on a background with the XYZ color 12.6662, 13.7457,

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

12.6662, 13.7457, 21.7243

Protanopia

13.6339, 13.8084, 21.0155

Deuteranopia

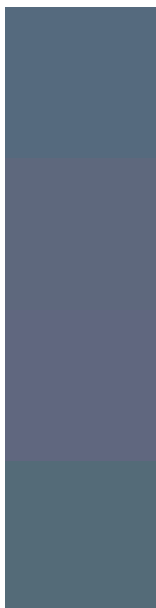
13.9639, 13.6644, 21.9802



Tritanopia

12.0822, 13.8251, 18.5547

Trichromacy



Original Color

12.6662, 13.7457, 21.7243

Protanomaly

13.2681, 13.7610, 21.3589

Deuteranomaly

13.5049, 13.7196, 22.0150

Tritanomaly

12.3040, 13.7563, 19.7760

Monochromacy



Original Color

12.6662, 13.7457, 21.7243

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5434, 13.3350, 16.9517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6662, 13.7457, 21.7243 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(85, 106, 126) looks like.

```
.text, #text, p{  
    color:rgb(85, 106, 126)  
}
```

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(85, 106, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 106, 126) }
```

Border

The CSS property to change the border of an element to XYZ 12.6662, 13.7457, 21.7243 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(85, 106, 126) }
```


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

```
.border{ border-color:rgb(85, 106, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 106, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 106, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 106, 126);  
box-shadow:4px 4px 4px 4px rgb(85, 106,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6662, 13.7457, 21.7243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 106, 126) }
```

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

```
.background{ background-color: rgb(85, 106,  
126) }
```

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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