

Converting Colors

XYZ(12.5502, 14.5417, 25.8082)

Have a look what the booklet for
XYZ(12.5502, 14.5417, 25.8082)
contains.

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Color

**XYZ(12.5563, 14.5527,
25.8141)**

Conversions

Conversions Part 1

Format	Color
Hex	427089
RGB	66, 112, 137
RGB Percent	26%, 44%, 54%
CMY	0.7412, 0.5608, 0.4627
CMYK	0.52, 0.18, 0.00, 0.46
HSL	201°, 35%, 40%
HSV	201°, 52%, 54%
XYZ	12.5563, 14.5527, 25.8141
YIQ	101.0960, -35.4410, -1.9770

Conversions

Conversions Part 2

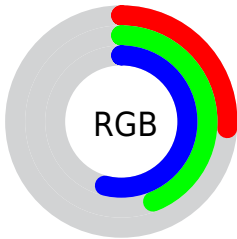
Format	Color
R _{YB}	66, 94, 137
Decimal	4354185
CIE Lab	45.02, -8.35, -18.58
CIE LCh	45, 20.373, 245.814
Yxy	14.5527, 0.2373, 0.2750
Android (android.graphics.Color)	4282544265 (0xFF427089)
YUV	101.0960, 17.7007, -30.7792
Hunter-Lab	38.1480, -8.0063, -13.4169

Details

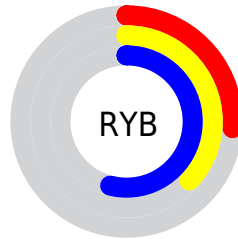
The XYZ color **12.5563, 14.5527, 25.8141** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **15.0415, 13.1945, 6.9088**, and the grayscale version is **12.3571, 13.0007, 14.1577**.

A 20% lighter version of the original color is **30.1775, 34.1906, 53.7241**, and **3.6163, 4.3872, 9.6730** is the 20% darker color. If you saturate the color by 10%, you get **11.2235, 13.0968, 25.6036**, and if you desaturate by 10%, it is **14.1397, 16.1808, 26.0452**.

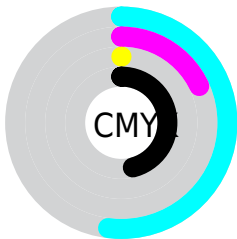
Distribution



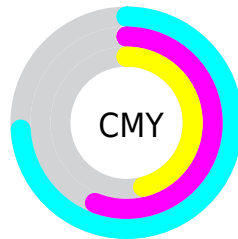
- Red (26%)
- Green (44%)
- Blue (54%)



- Red (26%)
- Yellow (37%)
- Blue (54%)



- Cyan (52%)
- Magenta (18%)
- Yellow (0%)
- Black (46%)



- Cyan (74%)
- Magenta (56%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5563, 14.5527, 25.8141 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 12.5563, 14.5527, 25.8141 by changing the saturation by 10% instead.

■ 12.5563, 14.5527,
25.8141

■ 12.5563, 14.5527,
25.8141

201.7497,
220.6426, 295.4447

■ 7.1986, 8.5061,
16.4601

■ 30.1125, 34.0665,
53.9553

■ 3.6341, 4.4204,
9.6924

■ 43.0417, 48.3026,
73.5796

■ 1.4973, 1.9114,
5.0926

■ 59.2254, 66.0371,
97.4643

■ 0.3240, 0.5552,
2.2420

■ 79.0290, 87.6547,
126.0282

■ 0.0000, 0.0000,
0.6985

■ 102.8179,
113.5396, 159.6896

■ 0.0000, 0.0000,
0.0000

130.9575,

144.0763, 198.8671

163.8129,
179.6492, 243.9793

■ 12.5563, 14.5527,
25.8141

■ 12.5563, 14.5527,
25.8141

■ 11.2235, 13.0968,
25.6036

■ 14.1397, 16.1808,
26.0452

■ 10.1234, 11.8022,
25.4117

■ 15.9872, 17.9876,
26.2965

■ 9.2377, 10.6592,
25.2378

■ 18.1129, 19.9815,
26.5694

■ 8.5447, 9.6558,
25.0806

■ 20.5295, 22.1696,
26.8644

■ 8.0679, 8.9112,
24.9620

■ 23.2488, 24.5586,
27.1822

■ 26.2820, 27.1548,
27.5234

■ 29.6397, 29.9643,
27.8887

■ 33.3319, 32.9929,
28.2787

■ 37.3682, 36.2459,
28.6938

Harmonies

Analogous

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



11.3856, 14.5527, 21.8658



12.5563, 14.5527, 25.8141



14.1601, 14.5527, 26.8818

Triad

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



12.5563, 14.5527, 25.8141



17.2826, 14.5527, 14.9311



12.0349, 14.5527, 9.4912

Complementary

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



12.5563, 14.5527, 25.8141



15.0415, 13.1945, 6.9088

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.



13.5088, 14.5527, 8.3381



12.5563, 14.5527, 25.8141



16.6057, 14.5527, 11.0460

Square

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



12.5563, 14.5527, 25.8141



16.9762, 14.5527, 19.9243



15.1911, 14.5527, 8.8438



11.1020, 14.5527, 12.3651

Rectangle

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



12.5563, 14.5527, 25.8141



15.2794, 14.5527, 25.6614



15.1911, 14.5527, 8.8438



12.4789, 14.5527, 8.9190

Sweetspot

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



12.5568, 14.5532, 25.8144



34.7375, 37.8822, 47.8643



13.0748, 19.8027, 12.9974



7.6227, 8.3438, 10.7151



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.5568, 14.5532, 25.8144



19.7680, 23.0768, 45.7956



9.3921, 8.2239, 24.7596



5.0271, 5.3972, 6.3826



7.5266, 8.3236, 23.2556



0.0638, 0.0829, 0.1591

Inverse Universe

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



15.1898, 10.3852, 16.5337



25.2310, 15.5176, 26.2956



18.8060, 20.7235, 8.1637



5.1603, 5.0996, 5.9326



11.2859, 5.6245, 9.2758



0.0819, 0.0402, 0.0983

Previews

White Background



This preview shows how the XYZ color 12.5563, 14.5527, 25.8141 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 12.5563, 14.5527, 25.8141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

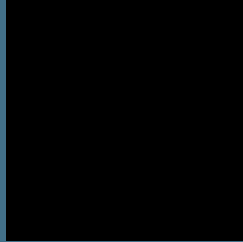
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5563, 14.5527, 25.8141

Background



This preview shows how black text looks on a background with the XYZ color 12.5563, 14.5527, 25.8141.

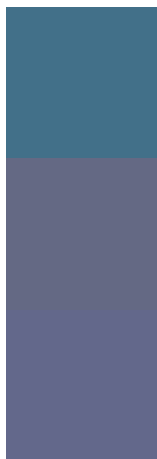


This preview shows how white text looks on a background with the XYZ color 12.5563, 14.5527,

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

12.5563, 14.5527, 25.8141

Protanopia

14.4720, 14.4784, 23.8617

Deuteranopia

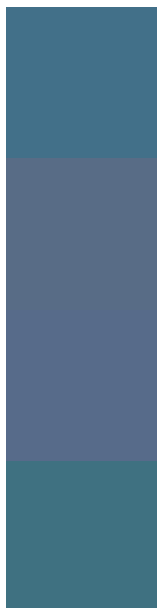
14.7561, 14.4174, 26.4312



Tritanopia

11.5799, 14.4820, 21.2538

Trichromacy



Original Color

12.5563, 14.5527, 25.8141

Protanomaly

13.6901, 14.5211, 24.6356

Deuteranomaly

13.7756, 14.3766, 26.0937

Tritanomaly

11.9175, 14.4520, 22.9303

Monochromacy



Original Color

12.5563, 14.5527, 25.8141

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1133, 13.3928, 17.8662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5563, 14.5527, 25.8141 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(66, 112, 137)` looks like.

```
.text, #text, p{  
  color:rgb(66, 112, 137)  
}
```

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(66, 112, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 112, 137) }
```

Border

The CSS property to change the border of an element to XYZ 12.5563, 14.5527, 25.8141 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(66, 112, 137) }
```


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

```
.border{ border-color:rgb(66, 112, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 112, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 112, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 112, 137); box-shadow:4px 4px 4px 4px rgb(66, 112, 137) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5563, 14.5527, 25.8141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 112, 137) }
```

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

```
.background{ background-color: rgb(66, 112,  
137) }
```

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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