

Converting Colors

XYZ(14.9678, 20.1890, 22.3435)

Have a look what the booklet for
XYZ(14.9678, 20.1890, 22.3435)
contains.

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Color

**XYZ(14.9642, 20.1482,
22.5023)**

Conversions

Conversions Part 1

Format	Color
Hex	47877D
RGB	71, 135, 125
RGB Percent	28%, 53%, 49%
CMY	0.7216, 0.4706, 0.5098
CMYK	0.47, 0.00, 0.07, 0.47
HSL	171°, 31%, 40%
HSV	171°, 47%, 53%
XYZ	14.9642, 20.1482, 22.5023
YIQ	114.7240, -34.9340, -16.6780

Conversions

Conversions Part 2

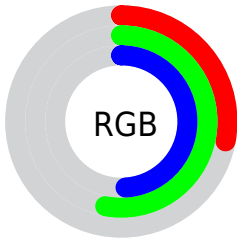
Format	Color
RYB	71, 106, 135
Decimal	4687741
CIELab	52.00, -23.14, -1.00
CIELCh	52, 23.157, 182.467
Yxy	20.1482, 0.2597, 0.3497
Android (android.graphics.Color)	4282877821 (0xFF47877D)
YUV	114.7240, 5.0661, -38.3459
Hunter-Lab	44.8867, -19.0440, 1.6979

Details

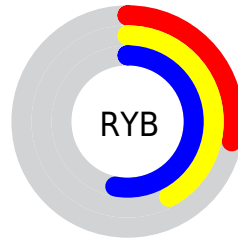
The XYZ color **14.9642, 20.1482, 22.5023** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.7308, 10.2521, 9.0406**, and the grayscale version is **16.2054, 17.0493, 18.5667**.

A 20% lighter version of the original color is **34.5457, 43.8946, 48.7712**, and **4.7190, 7.1044, 7.9600** is the 20% darker color. If you saturate the color by 10%, you get **13.9488, 19.6406, 21.7590**, and if you desaturate by 10%, it is **16.2036, 20.7719, 23.2719**.

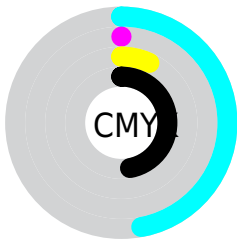
Distribution



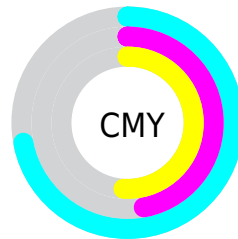
- Red (28%)
- Green (53%)
- Blue (49%)



- Red (28%)
- Yellow (42%)
- Blue (53%)



- Cyan (47%)
- Magenta (0%)
- Yellow (7%)
- Black (47%)



- Cyan (72%)
- Magenta (47%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9642, 20.1482, 22.5023 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 14.9642, 20.1482, 22.5023 by changing the saturation by 10% instead.

■ 14.9642, 20.1482,
22.5023

■ 14.9642, 20.1482,
22.5023

216.5421,
252.7163, 278.1969

■ 8.8804, 12.5028,
14.0246

■ 34.3625, 43.6655,
48.4876

■ 4.7197, 7.0871,
7.9988

■ 48.4078, 60.3062,
66.8323

■ 2.1168, 3.5166,
4.0064

■ 65.8376, 80.7142,
89.3030

■ 0.6983, 1.4070,
1.6289

■ 87.0173, 105.2738,
116.3184

■ 0.0000, 0.2219,
0.3113

■ 112.3122,
134.3694, 148.2969

■ 0.0000, 0.0000,
0.0000

142.0878,

168.3854, 185.6572

176.7093,
207.7062, 228.8176

■ 14.9642, 20.1482,
22.5023

■ 14.9642, 20.1482,
22.5023

■ 13.9488, 19.6406,
21.7590

■ 16.2036, 20.7719,
23.2719

■ 13.1409, 19.2392,
21.0399

■ 17.6788, 21.5163,
24.0671

■ 12.5246, 18.9363,
20.3445

■ 19.4026, 22.3885,
24.8890

■ 12.0807, 18.7219,
19.6719

■ 21.3864, 23.3945,
25.7384

■ 11.7712, 18.5764,
19.0201

■ 23.6411, 24.5398,
26.6157

■ 11.6962, 18.5413,
18.8537

■ 26.1768, 25.8295,
27.5216

■ 29.0031, 27.2688,
28.4565

■ 32.1292, 28.8622,
29.4211

■ 35.5638, 30.6144,
30.4157

Harmonies

Analogous

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



15.4009, 20.1482, 16.4611



14.9642, 20.1482, 22.5023



15.5705, 20.1482, 29.6818

Triad

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



14.9642, 20.1482, 22.5023



21.6915, 20.1482, 34.8339



21.3259, 20.1482, 12.3123

Complementary

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



14.9642, 20.1482, 22.5023



13.7308, 10.2521, 9.0406

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.



23.2405, 20.1482, 15.6737



14.9642, 20.1482, 22.5023



23.4635, 20.1482, 28.5120

Square

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



14.9642, 20.1482, 22.5023



19.3463, 20.1482, 37.6557



24.0521, 20.1482, 21.3831



18.9555, 20.1482, 11.3454

Rectangle

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



14.9642, 20.1482, 22.5023



16.5161, 20.1482, 33.9447



24.0521, 20.1482, 21.3831



22.0506, 20.1482, 13.1601

Sweetspot

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



14.9648, 20.1490, 22.5028



35.7930, 40.6232, 45.0349



13.2527, 19.5626, 9.0392



8.1386, 9.3315, 10.3631



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.



14.9648, 20.1490, 22.5028



24.8384, 35.1014, 38.8511



12.9522, 15.0492, 25.1447



4.7712, 5.2667, 5.8063



10.7889, 17.0984, 17.4056



0.0395, 0.0601, 0.0713

Inverse Universe

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



13.7308, 10.2521, 9.0406



22.3568, 15.1073, 11.7103



14.9858, 13.3187, 7.7427



4.7001, 4.6997, 5.0329



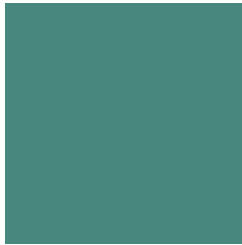
9.3428, 4.8014, 1.1114



0.0341, 0.0173, 0.0130

Previews

White Background



This preview shows how the XYZ color 14.9642, 20.1482, 22.5023 looks on a white 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

Black Background



This preview shows how the XYZ color 14.9642, 20.1482, 22.5023 looks on a black 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

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

XYZ 14.9642, 20.1482, 22.5023

Background



This preview shows how black text looks on a background with the XYZ color 14.9642, 20.1482, 22.5023.

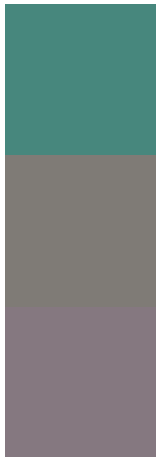


This preview shows how white text looks on a background with the XYZ color 14.9642, 20.1482,

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

14.9642, 20.1482, 22.5023

Protanopia

19.1054, 19.9859, 19.9903

Deuteranopia

20.2856, 19.9780, 23.2090



Tritanopia

16.1897, 20.0222, 28.9980

Trichromacy



Original Color

14.9642, 20.1482, 22.5023

Protanomaly

17.1040, 19.6850, 20.9873

Deuteranomaly

17.5948, 19.5145, 22.9180

Tritanomaly

15.6555, 20.0085, 26.3294

Monochromacy



Original Color

14.9642, 20.1482, 22.5023

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.4349, 17.9036, 20.0950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9642, 20.1482, 22.5023 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(71, 135, 125)` looks like.

```
.text, #text, p{  
    color:rgb(71, 135, 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(71, 135, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 135, 125) }
```

Border

The CSS property to change the border of an element to XYZ 14.9642, 20.1482, 22.5023 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(71, 135, 125) }
```


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

```
.border{ border-color:rgb(71, 135, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 135, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 135, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 135, 125);  
box-shadow:4px 4px 4px 4px rgb(71, 135,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9642, 20.1482, 22.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 135, 125) }
```

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

```
.background{ background-color: rgb(71, 135,  
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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