

Converting Colors

XYZ(14.9705, 20.3628, 22.4409)

Have a look what the booklet for
XYZ(14.9705, 20.3628, 22.4409)
contains.

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Color

**XYZ(14.9601, 20.3542,
22.5423)**

Conversions

Conversions Part 1

Format	Color
Hex	45887D
RGB	69, 136, 125
RGB Percent	27%, 53%, 49%
CMY	0.7294, 0.4667, 0.5098
CMYK	0.49, 0.00, 0.08, 0.47
HSL	170°, 33%, 40%
HSV	170°, 49%, 53%
XYZ	14.9601, 20.3542, 22.5423
YIQ	114.7130, -36.4010, -17.6250

Conversions

Conversions Part 2

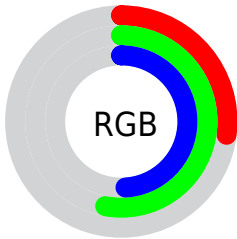
Format	Color
RYB	69, 105, 136
Decimal	4556925
CIELab	52.24, -24.16, -0.67
CIELCh	52, 24.165, 181.586
Yxy	20.3542, 0.2586, 0.3518
Android (android.graphics.Color)	4282747005 (0xFF45887D)
YUV	114.7130, 5.0715, -40.0903
Hunter-Lab	45.1156, -19.7627, 1.9563

Details

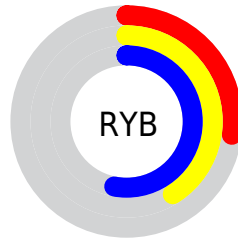
The XYZ color **14.9601, 20.3542, 22.5423** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.7302, 10.0703, 8.8104**, and the grayscale version is **16.2024, 17.0462, 18.5633**.

A 20% lighter version of the original color is **34.4754, 44.1788, 48.8298**, and **4.7324, 7.2290, 7.9834** is the 20% darker color. If you saturate the color by 10%, you get **13.9628, 19.8569, 21.7596**, and if you desaturate by 10%, it is **16.1829, 20.9684, 23.3532**.

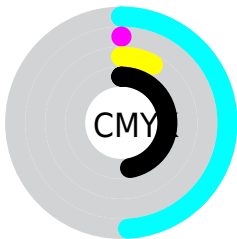
Distribution



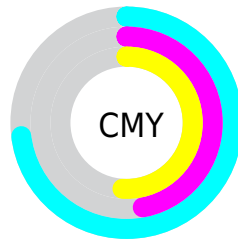
- Red (27%)
- Green (53%)
- Blue (49%)



- Red (27%)
- Yellow (41%)
- Blue (53%)



- Cyan (49%)
- Magenta (0%)
- Yellow (8%)
- Black (47%)



- Cyan (73%)
- Magenta (47%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9601, 20.3542, 22.5423 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 14.9601, 20.3542, 22.5423 by changing the saturation by 10% instead.

■ 14.9601, 20.3542,
22.5423

■ 14.9601, 20.3542,
22.5423

216.5178,
253.8262, 278.4107

■ 8.8775, 12.6528,
14.0538

■ 34.3554, 44.0102,
48.5543

■ 4.7178, 7.1899,
8.0189

■ 48.3988, 60.7336,
66.9149

■ 2.1157, 3.5811,
4.0191

■ 65.8266, 81.2331,
89.4033

■ 0.6977, 1.4421,
1.6358

■ 87.0040, 105.8932,
116.4380

■ 0.0000, 0.2475,
0.3162

■ 112.2965,
135.0981, 148.4375

■ 0.0000, 0.0000,
0.0000

142.0694,

169.2323, 185.8204

176.6880,
208.6802, 229.0053

■ 14.9601, 20.3542,
22.5423

■ 14.9601, 20.3542,
22.5423

■ 13.9628, 19.8569,
21.7596

■ 16.1829, 20.9684,
23.3532

■ 13.1740, 19.4662,
21.0029

■ 17.6434, 21.7043,
24.1916

■ 12.5769, 19.1739,
20.2717

■ 19.3549, 22.5692,
25.0587

■ 12.1514, 18.9698,
19.5649

■ 21.3292, 23.5692,
25.9552

■ 11.8449, 18.8266,
18.8800

■ 23.5775, 24.7100,
26.8816

■ 11.8230, 18.8164,
18.8303

■ 26.1102, 25.9971,
27.8387

■ 28.9371, 27.4355,
28.8269

■ 32.0677, 29.0300,
29.8468

■ 35.5109, 30.7854,
30.8989

Harmonies

Analogous

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



15.4478, 20.3542, 16.2782



14.9601, 20.3542, 22.5423



15.5616, 20.3542, 30.1125

Triad

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



14.9601, 20.3542, 22.5423



21.9527, 20.3542, 35.9503



21.7050, 20.3542, 12.1900

Complementary

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



14.9601, 20.3542, 22.5423



13.7302, 10.0703, 8.8104

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.



23.6991, 20.3542, 15.7512



14.9601, 20.3542, 22.5423



23.8505, 20.3542, 29.3167

Square

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



14.9601, 20.3542, 22.5423



19.4783, 20.3542, 38.8087



24.5150, 20.3542, 21.7865



19.2144, 20.3542, 11.1219

Rectangle

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



14.9601, 20.3542, 22.5423



16.5318, 20.3542, 34.6775



24.5150, 20.3542, 21.7865



22.4628, 20.3542, 13.0915

Sweetspot

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



14.9607, 20.3550, 22.5428



35.4215, 40.4370, 44.7750



13.2014, 19.7516, 8.7474



8.0594, 9.2919, 10.3027



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.



14.9607, 20.3550, 22.5428



24.4481, 34.9140, 38.2079



12.8786, 15.0031, 25.5106



5.1382, 5.6748, 6.2486



11.1926, 17.8096, 17.8367



0.0787, 0.1201, 0.1414

Inverse Universe

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



13.7302, 10.0703, 8.8104



22.0306, 14.6015, 11.1493



14.9979, 13.2039, 7.3888



5.0642, 5.0611, 5.4266



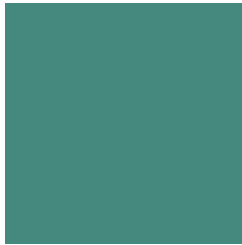
9.7525, 5.0111, 1.2009



0.0684, 0.0347, 0.0271

Previews

White Background



This preview shows how the XYZ color 14.9601, 20.3542, 22.5423 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 14.9601, 20.3542, 22.5423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

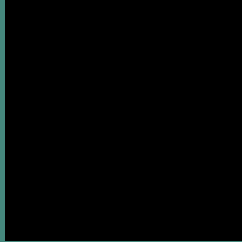
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.9601, 20.3542, 22.5423

Background



This preview shows how black text looks on a background with the XYZ color 14.9601, 20.3542, 22.5423.

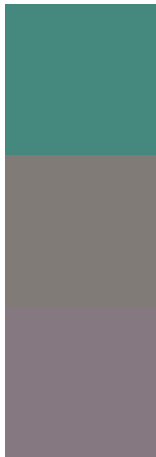


This preview shows how white text looks on a background with the XYZ color 14.9601, 20.3542,

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

14.9601, 20.3542, 22.5423

Protanopia

19.2551, 20.0631, 19.9973

Deuteranopia

20.4443, 20.0598, 23.2165



Tritanopia

16.3232, 20.2845, 29.4405

Trichromacy



Original Color

14.9601, 20.3542, 22.5423

Protanomaly

17.2338, 19.9446, 21.0305

Deuteranomaly

17.7220, 19.7690, 22.9604

Tritanomaly

15.7881, 20.2728, 26.7478

Monochromacy



Original Color

14.9601, 20.3542, 22.5423

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.4497, 18.0945, 20.1311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9601, 20.3542, 22.5423 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(69, 136, 125)` looks like.

```
.text, #text, p{  
    color:rgb(69, 136, 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(69, 136, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 136, 125) }
```

Border

The CSS property to change the border of an element to XYZ 14.9601, 20.3542, 22.5423 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(69, 136, 125) }
```


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

```
.border{ border-color:rgb(69, 136, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 136, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 136, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 136, 125);  
box-shadow:4px 4px 4px 4px rgb(69, 136,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9601, 20.3542, 22.5423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 136, 125) }
```

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

```
.background{ background-color: rgb(69, 136,  
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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