

Converting Colors

XYZ(13.3276, 19.5501, 24.5837)

Have a look what the booklet for
XYZ(13.3276, 19.5501, 24.5837)
contains.

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Color

**XYZ(13.2542, 19.4292,
24.5244)**

Conversions

Conversions Part 1

Format	Color
Hex	178883
RGB	23, 136, 131
RGB Percent	9%, 53%, 51%
CMY	0.9098, 0.4667, 0.4863
CMYK	0.83, 0.00, 0.04, 0.47
HSL	177°, 71%, 31%
HSV	177°, 83%, 53%
XYZ	13.2542, 19.4292, 24.5244
YIQ	101.6430, -65.7430, -25.5110

Conversions

Conversions Part 2

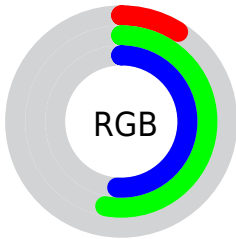
Format	Color
R_{YB}	23, 81, 136
Decimal	1542275
CIE _{Lab}	51.19, -30.31, -5.85
CIE _{LCh}	51, 30.869, 190.923
Yxy	19.4292, 0.2317, 0.3396
Android (android.graphics.Color)	4279732355 (0xFF178883)
YUV	101.6430, 14.4730, -68.9699
Hunter-Lab	44.0786, -23.4635, -2.1327

Details

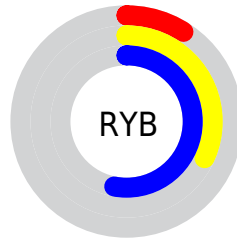
The XYZ color **13.2542, 19.4292, 24.5244** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.6699, 5.9313, 1.6815**, and the grayscale version is **12.5127, 13.1644, 14.3360**.

A 20% lighter version of the original color is **31.3796, 42.5117, 51.8991**, and **4.7715, 7.1062, 9.1028** is the 20% darker color. If you saturate the color by 10%, you get **12.9783, 19.2921, 24.2996**, and if you desaturate by 10%, it is **13.6911, 19.6501, 24.7589**.

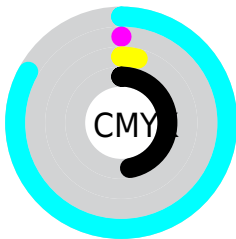
Distribution



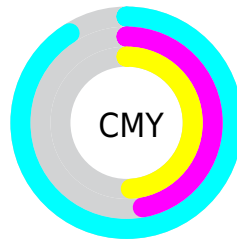
- Red (9%)
- Green (53%)
- Blue (51%)



- Red (9%)
- Yellow (32%)
- Blue (53%)



- Cyan (83%)
- Magenta (0%)
- Yellow (4%)
- Black (47%)



- Cyan (91%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2542, 19.4292, 24.5244 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 13.2542, 19.4292, 24.5244 by changing the saturation by 10% instead.

■ 13.2542, 19.4292,
24.5244

■ 13.2542, 19.4292,
24.5244

206.1453,
248.8080, 288.8325

■ 7.6820, 11.9808,
15.5073

■ 31.3572, 42.4581,
51.8391

■ 3.9423, 6.7306,
9.0256

■ 44.6187, 58.8074,
70.9738

■ 1.6695, 3.2942,
4.6609

■ 61.1740, 78.8925,
94.3181

■ 0.4371, 1.2872,
1.9944

■ 81.3885, 103.0977,
122.2905

■ 0.0000, 0.1313,
0.5519

■ 105.6275,
131.8075, 155.3096

■ 0.0000, 0.0000,
0.0000

■ 134.2564,

165.4062, 193.7940

167.6405,
204.2783, 238.1621

■ 13.2542, 19.4292,
24.5244

■ 13.2542, 19.4292,
24.5244

■ 12.9783, 19.2921,
24.2996

■ 13.6911, 19.6501,
24.7589

■ 12.8326, 19.2202,
24.1466

■ 14.3090, 19.9639,
25.0027

■ 15.1266, 20.3806,
25.2570

■ 16.1599, 20.9085,
25.5227

■ 17.4234, 21.5550,
25.8004

■ 18.9301, 22.3269,
26.0908

■ 20.6922, 23.2304,
26.3943

■ 22.7211, 24.2714,
26.7116

■ 25.0273, 25.4553,
27.0431

Harmonies

Analogous

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



13.4292, 19.4292, 16.0949



13.2542, 19.4292, 24.5244



14.3546, 19.4292, 34.2799

Triad

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



13.2542, 19.4292, 24.5244



22.6115, 19.4292, 36.6798



20.4650, 19.4292, 8.8590

Complementary

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



13.2542, 19.4292, 24.5244



10.6699, 5.9313, 1.6815

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.



23.2979, 19.4292, 11.8980



13.2542, 19.4292, 24.5244



24.6290, 19.4292, 27.1782

Square

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



13.2542, 19.4292, 24.5244



19.6086, 19.4292, 42.4853



24.8933, 19.4292, 18.1094



17.3703, 19.4292, 8.5151

Rectangle

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



13.2542, 19.4292, 24.5244



15.7431, 19.4292, 39.6458



24.8933, 19.4292, 18.1094



21.4880, 19.4292, 9.5493

Sweetspot

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



13.2548, 19.4299, 24.5249



32.6657, 38.9897, 45.8501



9.4562, 17.9271, 3.7728



7.3739, 8.9317, 10.5820



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.



13.2548, 19.4299, 24.5249



22.5986, 33.8643, 42.4705



8.0582, 8.4811, 24.5057



5.1634, 5.6849, 6.3816



12.1461, 18.1910, 22.8580



0.0821, 0.1214, 0.1591

Inverse Universe

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



10.6699, 5.9313, 1.6815



17.9359, 9.2413, 1.0621



12.7475, 10.1744, 2.1029



5.0413, 5.0519, 5.3058



9.6420, 4.9669, 0.6191



0.0651, 0.0334, 0.0095

Previews

White Background



This preview shows how the XYZ color 13.2542, 19.4292, 24.5244 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 13.2542, 19.4292, 24.5244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

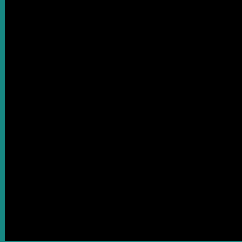
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.2542, 19.4292, 24.5244

Background



This preview shows how black text looks on a background with the XYZ color 13.2542, 19.4292, 24.5244.



This preview shows how white text looks on a background with the XYZ color 13.2542, 19.4292,

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

13.2542, 19.4292, 24.5244

Protanopia

18.5186, 19.2908, 21.1598

Deuteranopia

19.6040, 19.2182, 25.5979



Tritanopia

14.3635, 19.4696, 29.7890

Trichromacy



Original Color

13.2542, 19.4292, 24.5244

Protanomaly

15.0930, 18.4286, 22.1636

Deuteranomaly

15.7565, 18.5123, 25.2970

Tritanomaly

13.9627, 19.5127, 27.8414

Monochromacy



Original Color

13.2542, 19.4292, 24.5244

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.7456, 14.6433, 17.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2542, 19.4292, 24.5244 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(23, 136, 131)` looks like.

```
.text, #text, p{  
    color:rgb(23, 136, 131)  
}
```

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(23, 136, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 136, 131) }
```

Border

The CSS property to change the border of an element to XYZ 13.2542, 19.4292, 24.5244 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(23, 136, 131) }
```


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

```
.border{ border-color:rgb(23, 136, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 136, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 136, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 136, 131);  
box-shadow:4px 4px 4px 4px rgb(23, 136,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2542, 19.4292, 24.5244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 136, 131) }
```

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

```
.background{ background-color: rgb(23, 136,  
131) }
```

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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