

Converting Colors

XYZ(16.1526, 21.8180, 25.3824)

Have a look what the booklet for
XYZ(16.1526, 21.8180, 25.3824)
contains.

XYZ(16.1375, 21.7517, 25.5383)	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(16.1375, 21.7517,
25.5383)**

Conversions

Conversions Part 1

Format	Color
Hex	468C85
RGB	70, 140, 133
RGB Percent	27%, 55%, 52%
CMY	0.7255, 0.4510, 0.4784
CMYK	0.50, 0.00, 0.05, 0.45
HSL	174°, 33%, 41%
HSV	174°, 50%, 55%
XYZ	16.1375, 21.7517, 25.5383
YIQ	118.2720, -39.4730, -17.0170

Conversions

Conversions Part 2

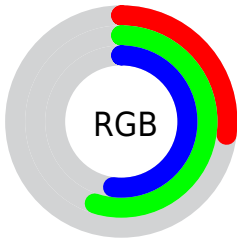
Format	Color
R_{YB}	70, 107, 140
Decimal	4623493
CIE _{Lab}	53.76, -23.83, -3.06
CIE _{LCh}	54, 24.031, 187.317
Yxy	21.7517, 0.2544, 0.3429
Android (android.graphics.Color)	4282813573 (0xFF468C85)
YUV	118.2720, 7.2609, -42.3345
Hunter-Lab	46.6387, -19.8548, 0.1812

Details

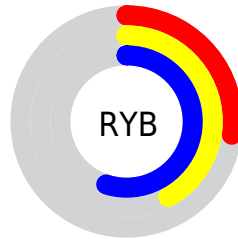
The XYZ color **16.1375, 21.7517, 25.5383** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.3456, 10.4922, 8.2910**, and the grayscale version is **17.2925, 18.1930, 19.8122**.

A 20% lighter version of the original color is **36.4669, 46.4138, 53.4911**, and **5.2477, 7.8236, 9.6210** is the 20% darker color. If you saturate the color by 10%, you get **15.1470, 21.2527, 24.9907**, and if you desaturate by 10%, it is **17.3660, 22.3743, 26.1047**.

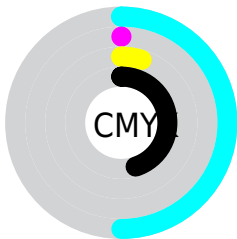
Distribution



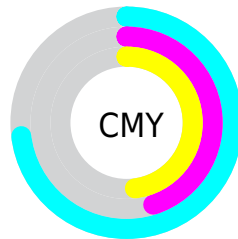
- Red (27%)
- Green (55%)
- Blue (52%)



- Red (27%)
- Yellow (42%)
- Blue (55%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (45%)



- Cyan (73%)
- Magenta (45%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1375, 21.7517, 25.5383 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 16.1375, 21.7517, 25.5383 by changing the saturation by 10% instead.

■ 16.1375, 21.7517,
25.5383

■ 16.1375, 21.7517,
25.5383

223.4062,
261.2468, 294.0412

■ 9.7130, 13.6746,
16.2559

■ 36.3923, 46.3353,
53.5041

■ 5.2699, 7.8947,
9.5491

■ 50.9532, 63.6105,
73.0245

■ 2.4428, 4.0276,
4.9994

■ 68.9570, 84.7205,
96.7947

■ 0.8665, 1.6890,
2.1882

■ 90.7690, 110.0498,
125.2333

■ 0.0000, 0.4165,
0.6675

■ 116.7546,
139.9827, 158.7586

■ 0.0000, 0.0000,
0.0000

147.2791,

174.9035, 197.7894

182.7078,
215.1968, 242.7441

■ 16.1375, 21.7517,
25.5383

■ 16.1375, 21.7517,
25.5383

■ 15.1470, 21.2527,
24.9907

■ 17.3660, 22.3743,
26.1047

■ 14.3761, 20.8663,
24.4596

■ 18.8456, 23.1257,
26.6892

■ 13.8066, 20.5835,
23.9447

■ 20.5908, 24.0138,
27.2928


■ 13.4165, 20.3930,
23.4447


■ 22.6143, 25.0452,
27.9163

■ 13.1443, 20.2632,
22.9570


■ 24.9281, 26.2262,
28.5602

 13.1443, 20.2632,
22.9569

 27.5434, 27.5624,
29.2251

 30.4708, 29.0594,
29.9115

 33.7205, 30.7224,
30.6199

 37.3022, 32.5563,
31.3507

Harmonies

Analogous

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



16.4300, 21.7517, 18.6207



16.1375, 21.7517, 25.5383



16.9776, 21.7517, 33.3739

Triad

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



16.1375, 21.7517, 25.5383



23.8271, 21.7517, 36.8620



22.6452, 21.7517, 12.8525

Complementary

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



16.1375, 21.7517, 25.5383



14.3456, 10.4922, 8.2910

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.



24.8721, 21.7517, 16.0785



16.1375, 21.7517, 25.5383



25.5931, 21.7517, 29.5906

Square

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



16.1375, 21.7517, 25.5383



21.3121, 21.7517, 40.7379



25.9905, 21.7517, 21.9215



20.0494, 21.7517, 12.2100

Rectangle

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



16.1375, 21.7517, 25.5383



18.1117, 21.7517, 37.7535



25.9905, 21.7517, 21.9215



23.4680, 21.7517, 13.6326

Sweetspot

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



16.1381, 21.7526, 25.5388



37.9095, 43.1553, 48.6272



13.6398, 20.8260, 9.0957



8.5849, 9.8674, 11.1579



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.1381, 21.7526, 25.5388



26.5112, 37.3713, 43.9381



13.1838, 15.0438, 27.0208



5.1516, 5.6801, 6.3196



11.6830, 18.0058, 20.4189



0.0805, 0.1208, 0.1509

Inverse Universe

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



14.3456, 10.4922, 8.2910



22.9848, 15.1480, 9.9538



16.1807, 14.5370, 7.7479



5.0519, 5.0562, 5.3617



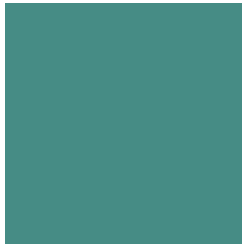
9.6842, 4.9838, 0.8413



0.0666, 0.0340, 0.0177

Previews

White Background



This preview shows how the XYZ color 16.1375, 21.7517, 25.5383 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 16.1375, 21.7517, 25.5383 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 16.1375, 21.7517, 25.5383

Background



This preview shows how black text looks on a background with the XYZ color 16.1375, 21.7517, 25.5383.



This preview shows how white text looks on a background with the XYZ color 16.1375, 21.7517,

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

16.1375, 21.7517, 25.5383

Protanopia

20.7153, 21.5104, 22.7988

Deuteranopia

21.8049, 21.4271, 26.2792



Tritanopia

17.4149, 21.8427, 31.7320

Trichromacy



Original Color

16.1375, 21.7517, 25.5383

Protanomaly

18.5204, 21.3387, 23.9115

Deuteranomaly

19.0379, 21.1593, 26.0024

Tritanomaly

16.9382, 21.8649, 29.3142

Monochromacy



Original Color

16.1375, 21.7517, 25.5383

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.4028, 19.1185, 21.5646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1375, 21.7517, 25.5383 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(70, 140, 133)` looks like.

```
.text, #text, p{  
    color:rgb(70, 140, 133)  
}
```

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(70, 140, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 140, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.1375, 21.7517, 25.5383 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(70, 140, 133) }
```


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

```
.border{ border-color:rgb(70, 140, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 140, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 140, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 140, 133);  
box-shadow:4px 4px 4px 4px rgb(70, 140,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1375, 21.7517, 25.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 140, 133) }
```

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

```
.background{ background-color: rgb(70, 140,  
133) }
```

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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