

Converting Colors

XYZ(21.3674, 28.7637, 23.5277)

Have a look what the booklet for
XYZ(21.3674, 28.7637, 23.5277)
contains.

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Color

**XYZ(21.3444, 28.7337,
23.4900)**

Conversions

Conversions Part 1

Format	Color
Hex	669E7C
RGB	102, 158, 124
RGB Percent	40%, 62%, 49%
CMY	0.6000, 0.3804, 0.5137
CMYK	0.35, 0.00, 0.22, 0.38
HSL	144°, 22%, 51%
HSV	144°, 35%, 62%
XYZ	21.3444, 28.7337, 23.4900
YIQ	137.3800, -22.4620, -22.4460

Conversions

Conversions Part 2

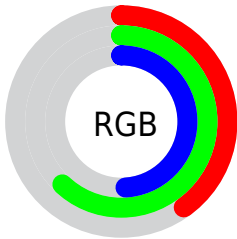
Format	Color
R_{YB}	102, 142, 158
Decimal	6725244
CIE _{Lab}	60.55, -26.02, 12.02
CIE _{LCh}	61, 28.668, 155.201
Yxy	28.7337, 0.2901, 0.3906
Android (android.graphics.Color)	4284915324 (0xFF669E7C)
YUV	137.3800, -6.5963, -31.0283
Hunter-Lab	53.6038, -22.7301, 11.5409

Details

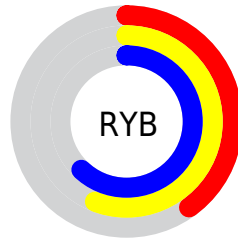
The XYZ color **21.3444, 28.7337, 23.4900** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.2967, 18.5500, 25.6462**, and the grayscale version is **23.9526, 25.2000, 27.4428**.

A 20% lighter version of the original color is **45.2476, 57.7314, 50.3534**, and **7.8402, 11.5461, 8.4720** is the 20% darker color. If you saturate the color by 10%, you get **19.1442, 27.6670, 20.3730**, and if you desaturate by 10%, it is **23.9465, 30.0024, 26.9352**.

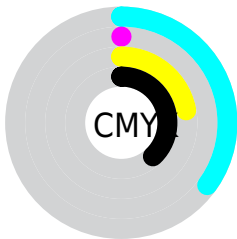
Distribution



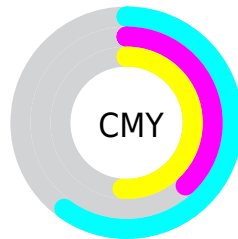
- Red (40%)
- Green (62%)
- Blue (49%)



- Red (40%)
- Yellow (56%)
- Blue (62%)



- Cyan (35%)
- Magenta (0%)
- Yellow (22%)
- Black (38%)



- Cyan (60%)
- Magenta (38%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3444, 28.7337, 23.4900 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 21.3444, 28.7337, 23.4900 by changing the saturation by 10% instead.

■ 21.3444, 28.7337,
23.4900

■ 21.3444, 28.7337,
23.4900

251.8004,
295.9564, 283.4349

■ 13.4899, 18.8795,
14.7470

■ 45.1470, 57.6537,
50.1300

■ 7.8460, 11.5832,
8.4974

■ 61.8257, 77.4883,
68.8642

■ 4.0476, 6.4606,
4.3225

■ 82.1766, 101.4184,
91.7658

■ 1.7291, 3.1271,
1.8039

■ 106.5650,
129.8285, 119.2534

■ 0.4744, 1.1984,
0.4305

135.3562,
163.1030, 151.7456

■ 0.0000, 0.0604,
0.0000

168.9156,

■ 0.0000, 0.0000,

201.6262, 189.6609

0.0000

207.6085,
245.7825, 233.4178

■ 21.3444, 28.7337,
23.4900

■ 21.3444, 28.7337,
23.4900

■ 19.1442, 27.6670,
20.3730

■ 23.9465, 30.0024,
26.9352

■ 17.3225, 26.7879,
17.5724

■ 26.9677, 31.4793,
30.7160

■ 15.8568, 26.0860,
15.0788


■ 30.4270, 33.1749,
34.8419


■ 14.7213, 25.5481,
12.8813


■ 34.3414, 35.0978,
39.3216


■ 13.8865, 25.1592,
10.9683


■ 38.7273, 37.2561,
44.1632


 13.3140, 24.8998,
9.3274

 43.5999, 39.6577,
49.3749

 13.0989, 24.8034,
8.6649

 48.9739, 42.3100,
54.9643

 54.8633, 45.2200,
60.9389

 61.2816, 48.3944,
67.3061

Harmonies

Analogous

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



23.4090, 28.7337, 17.4084



21.3444, 28.7337, 23.4900



20.8167, 28.7337, 33.1708

Triad

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



21.3444, 28.7337, 23.4900



27.9609, 28.7337, 56.2994



33.5505, 28.7337, 20.9437

Complementary

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



21.3444, 28.7337, 23.4900



23.2967, 18.5500, 25.6462

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.



35.0313, 28.7337, 29.4742



21.3444, 28.7337, 23.4900



31.6231, 28.7337, 51.0781

Square

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



21.3444, 28.7337, 23.4900



24.4320, 28.7337, 53.6836



34.2961, 28.7337, 40.6405



30.4066, 28.7337, 16.1878

Rectangle

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



21.3444, 28.7337, 23.4900



21.3623, 28.7337, 40.7949



34.2961, 28.7337, 40.6405



34.2716, 28.7337, 23.3832

Sweetspot

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



21.3452, 28.7349, 23.4906



51.5286, 58.4165, 58.8687



24.8663, 30.6933, 17.1844



11.4412, 13.0838, 13.0608



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.3452, 28.7349, 23.4906



35.3579, 50.5284, 37.8643



23.3311, 29.5293, 33.9485



6.6533, 7.4421, 7.6087



10.5087, 19.8714, 7.0358



0.2080, 0.3634, 0.2318

Inverse Universe

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



23.2967, 18.5500, 25.6462



39.4673, 29.0603, 42.3870



21.5879, 17.8665, 16.6477



6.7937, 6.7104, 7.7645



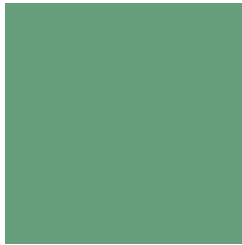
13.0012, 6.5050, 9.5232



0.2528, 0.1245, 0.2775

Previews

White Background



This preview shows how the XYZ color 21.3444, 28.7337, 23.4900 looks on a white background.

Color Contrast Check

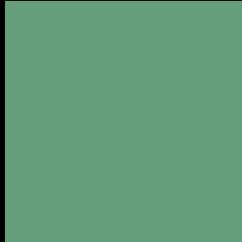
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3444, 28.7337, 23.4900 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 21.3444, 28.7337, 23.4900

Background



This preview shows how black text looks on a background with the XYZ color 21.3444, 28.7337, 23.4900.



This preview shows how white text looks on a background with the XYZ color 21.3444, 28.7337,

23.4900.

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

21.3444, 28.7337, 23.4900

Protanopia

26.7218, 28.4288, 21.2185

Deuteranopia

29.0003, 28.4217, 24.3795



Tritanopia

24.5753, 28.5526, 39.8133

Trichromacy



Original Color

21.3444, 28.7337, 23.4900

Protanomaly

24.2882, 28.3197, 21.9554

Deuteranomaly

25.5922, 28.2394, 24.1806

Tritanomaly

23.2450, 28.5014, 33.1303

Monochromacy



Original Color

21.3444, 28.7337, 23.4900

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.6024, 26.2018, 25.6960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3444, 28.7337, 23.4900 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(102, 158, 124)` looks like.

```
.text, #text, p{  
    color:rgb(102, 158, 124)  
}
```

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(102, 158, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 158, 124) }
```

Border

The CSS property to change the border of an element to XYZ 21.3444, 28.7337, 23.4900 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(102, 158, 124) }
```


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

```
.border{ border-color:rgb(102, 158, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 158, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 158, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 158, 124);  
box-shadow:4px 4px 4px 4px rgb(102, 158,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3444, 28.7337, 23.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 158, 124) }
```

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

```
.background{ background-color: rgb(102,  
158, 124) }
```

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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